

<210> 13381
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C6

 <400> 13381

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 tatctcttct ccgaccaaact ctcccaccac tctttctgct ccaactactt cccctactaa 180
 atcccccgcc gttactttct ccaactacggc tccggcgaaa actccaactg cttcgggttc 240
 ttcaccggtt gagtcaccaa aatctccggc tctgtttage gagtctctc caccaccgac 300
 acctgttcca gagagctctc ctccgggttc tgcaccaatg gnttcttctc cagtgaagtc 360
 tcaaccggtt caagcaccag tagctgatcc tctcaagct ccggttaaccg ctccgggttc 420
 tgagtaccgg ntccngctca 440

<210> 13382
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C7

 <400> 13382

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 agcaagattc acaagcagag atgggttgat ggggttcagt ctcttctccg ccaagtaaat 180
 tgctttgagg ctgccaaatg ctgctggga tctctgaatc tcaactggta cacgtgatgc 240
 aggatcctgt atatatttga ttatattcat atatataata tccaaatttt tgctgtttgt 300
 aggtatttgc aaaacctggc aatgtaacct cagaagactt ttggataaaa caagcaggt 360
 tgttcaattg atcacaacaa tgtagganc attgcatgta cagaangctc agagatgatg 420
 aaccaattg aacttttaac tcaaaaaaaaa 450

<210> 13383
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-D1

 <400> 13383

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 tgaatttaca aagaaagata tgctggtttg tctgggtttt gtagaagaat ctgtgttggt 180
 gctttgagat taaagtccga acaatgttgg gtttgattca tgtccttgat gagctcgtca 240
 atggtcttat gccactgctt atcattcagt agtcaaaacc cagatcctga atcatcatca 300
 tcttctcttc ttcggtataa gccttgtgat tccaatttcg ttgtggggta agagaaagga 360
 anaacctttg gaaatttggt ccaattgcgg agaaagaata acaatccata cgggtaataa 420
 taattaagaa ggagaagaaa cctggtggca aaaggttt 458

<210> 13384
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-D11

 <400> 13384

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 tgaaattata gccatgtctg atgtgggac ctttacaggc attactggct ctgcttgctt 180
 tgtgtaaang antcttccat caaggaaagg aggcttcgta tcatgaaaag gctcaggtct 240
 tgtcaaagaa attcgggaga acaaagtgc gaataantca cgacagcgat tctgggagct 300
 tgcaggttct aatcttggtg atatccttgg tattgaaaaa tcanccgagc agattgangc 360
 cgatactgct gtanttggtg acgacggtga agtanathtt aaaggtgagg ctaaatttgc 420
 acaacatatg aagaagggag aagctgtgag tgaatttgcc atgtcaaaga ccatggcaga 480

acaacggcag tatcttccca tattttccgt taagagaaga

520

<210> 13385

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-D12

<400> 13385

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aagccactac tactacgttc tgcttctccg gtccaacttt cccgatcaact cctcactcac 120
tcacttcaaa acgtcctatc tccatcaaag ctactacttc ttctccttna agactctcca 180
attcacgata gaatctcann ggaagatcat tgtcnagtga tgggtcaaca caggaatctc 240
cttatgtant ctgttttgga gaaatgctaa gctattttgt accgacgaca agcggacttt 300
cattaaccga tncaccgggt tttaanaaag ctccangtgg tgnacctgcn aangtagctg 360
ttggtattgc tcgtcntggt ggttcttcag ctttcantg 399

<210> 13386

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-D2

<400> 13386

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tgggtcttaa tatctgcaag aagaaggcag cgacaaacat aagatccaac aaagatgtaa 180
cagtgattct tgacactccc ttaacatata gtctggacga ctgcatcgaa tacattgaag 240
aggatgagtt ggtggagggt acaccttcta gtattaggat gtgcaagaat cagaaaatgg 300
caaagaaagg caggcagtaa aaccattttt tgcaagctgg gtttggagga aattgaagaa 360
aagcttctac taaaaaaaaa tgaaagctag ttccaatggt attatangct tgtttgattg 420
ttatacatag tctaattctat agcaaanggt gatcctgatg tt 462

<210> 13387
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B11

<400> 13387

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 tattgatgca accattttcc cccacaatgt cggacttggg gccactaggg atcctcaact 180
 tgttaaaaag attggggcta taaccgcgca ngaagtaagg gcaacaggag tcgctcaagc 240
 ttttgcacct tgtgttgccg tttgcagaga tcctagatgg ggaagggtgtt acgagagcta 300
 taagtgaaga cctgcagttg tgaatatgat gaccgaaagt tacatcnatg ggantacaaa 360
 ggaaatctcc cttacctcgc tgattcccaa agattaatgt ggctggggtg ccccaaacat 420
 tttgtttggg gacggaggca caataaatgg aatcaaa 457

<210> 13388
 <211> 109
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-G1

<400> 13388

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 gatcnggttt ctctatcttg aaggcaggga agattttgng agggtttat 109

<210> 13389
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-G10

<400> 13389

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cttctcccaa naatcaagga gttgagagag ggaagaactt taacaaaaga atttaagaac 120
tgaagaagga ggaataaaca tcgaaatgtc gggctcgagg cttttcttcg gagtttctac 180
aattgtatcg ataattttcg ccattttgtt gccgatggca catgctcaat ccgcagctcc 240
tgctccggct ccaacaagcg acggaacaac gatagaccaa ggcatancat atgtccttat 300
gttggtggct ttggctctca catatctcat ccattgatct cttgttaatt taattttggt 360
ctctatttag ttttaattatn ttttgcaccc tggattataa caaannnng 409

<210> 13390
<211> 288
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G3

<400> 13390
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antatgcacg caccgggtact cgttctgagc gattcgttga agcgtgaatc tggaagtaag 120
gttcatcatg gtaatatcca agcttccaan gntggttgctg atatcattcg tacaacattg 180
ggctctcggt ctaggttgaa gatgcttctt gatgntgggtg ganggattgt tgntactaat 240
gatgggaatg ctactcgtcg tgagccanat gtcgnncatn ctgcagct 288

<210> 13391
<211> 83
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G7

<400> 13391
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gatcgtcaag ggantcgnta agt 83

<210> 13392
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H12

 <400> 13394

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 ggagaatgta attctctcat gtatgganag caanaactct caacttggtg accancttct 120
 cagtgagtgc aatcttattg ggagtatact agaggcggn aaggactcca nattaactgc 180
 tggtgattct gataagcttc agcctacagt ccctgcagag ggtaanaagc cantcaggat 240
 tggtaacatc ggtcatttga ctcgatatct caacaaactt cttcagctag ctaatagcaa 300
 tgtcnaaatt cagtcacatt tgcaggaaaa taacatatgg gtggactggc aaacangatg 360
 tcatgtcgaa gcgtaataca ttggaaaatg tctactcctg ggccctgcggg aaggctactc 420
 acccaatgat cntngtgan atantng 447

<210> 13395
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H2

 <400> 13395

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 caggcagccc atggtacgga tccgaccgag tcaagtactt gggteccatc tctggcgagt 120
 caccgagcta ccttaccgga gagttccccg ganactacgg ntgggacacc gctggacttt 180
 cagctgatcc cgagacattc gcaaggaacc gtgagctaca agttatccac ancaggtggg 240
 ctatgctcgg agccctangc tgcgtcttcc ctganctttt ggctacgaac ggagtcaagt 300
 tcggaaaggc ggtttggttc aaggccggtt cacanactt tagcgatggn ggactcgatt 360
 acttgggaaa cctancttg gtcnacnctc agagcanttt ggccatttgg ggcaatcaat 420
 tatcttgatn ggaactgttn aagg 444

<210> 13396
 <211> 70

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H3
 <400> 13396
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 gtgttttgggc 70

<210> 13397
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H5
 <400> 13397
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 ttccagaaaa ttcccattac ctaatcccca ggattcgatg aaccagaaa tgatgggtttt 120
 cgaaaggctc tagctttctc aaatccagat tttgctgagg agctcgttga aagaatgcan 180
 aatagaccat ctctctcttg tcctttgtct ttcagatcgt ttctctttca nggtgatatt 240
 agagtataat actagatanc gtgaggctct ttgtattant ggaccttgag ttgtcntgtc 300
 taagtgggat aanccttctn gtgaacattt tcttggtcag ttcatttagt gaactttttt 360
 tgggtctcgtg aataantaaa agttttcntt ttcgggcttg atnggtaaag anaatcagtt 420
 ggaganaaca aantgtggan tcaat 445

<210> 13398
 <211> 104
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H8
 <400> 13398
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 gttcagccat cgaancacgc aacctttgtt ccccaaactg ctng 104

<210> 13399
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A1

 <400> 13399

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 aactattgac tgcaaaatgg aaggatatag ttttgaagct ctgcagtgcg tgtaagatag 120
 aggtgaaccc tgaagacaga gatgcagagg cacgtgtgaa tgctgtaaaa ggactcacat 180
 ccgtgtgtga gactcttact cagaaaaggg ctacgcgatcc tggaaatgat gacctgtctc 240
 tttttcttct tatcaagact gaagtgatgg atactttact gaaagctctt gatgactatt 300
 cagttgataa ccgaggtgat gtaggttcct ggggttcgtg aagctgcagt ccatggtcct 360
 tgagaagtgt acatatatcc ctctgtaaga aaatggaaac atatccanaa gggtgattat 420
 aaccaatgaa acgtccccaa cttttcgant ccnaatcctt gcnaaccctt ctaa 474

<210> 13400
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A6

 <400> 13400

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 aacggcgcaa gcttagattg ccggagaaaa ctttatgcaa ttttttttgt acttgggagc 120
 agcttcaaca ttggagcatc ggcgatccaa gtcggaagtt cacttacctt cggataacgc 180
 gactctgacc tatcggaat atttcattga cctcatatgg agtgtgtcta attgctagtg 240
 gttttgtggc ttattgaagt cttgggaata gtatattgag gatgctattg tataaagaaa 300
 gtatggaaga tcttcggnta tcaccgctga aattaggtan ctttaagtct tcattgtcag 360
 ggangtctac tccaaggggt tcacctanac ttcggaaagt gcattcaggc aaggactcca 420
 cntananagg gtaaggg 437

<210> 13401
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A7

 <400> 13401

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 aactatggag aaaattgagc tcatttcaga gagctagtta ctcaactaca tcttcaagaa 180
 acaacaattt aaagcttgat gaccttagaa aactccggcc aatgattcta aagagaatcg 240
 aaaatcgagc taaagattac ccggttaaag agattgttcc tgtagctgaa gaaatcctta 300
 tagctaagaa agaattctaat cagtaacatc gccgctcttc ttaaggngtt tccngtcttg 360
 aatgcaaatt cggttcanaa ntgtttgttg gcaaagaagg gcatttgatt gaaanatgtc 420
 gtanttaaaa cg 432

<210> 13402
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A8

 <400> 13402

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 aaacctctga gctccagctc accctcgata aaaactctgg gtccggggtt gaatcccaat 180
 tgatttacgg atcaggatac ttcaacgtaa gaatcaaggc acctcaaact acgtctacgg 240
 gagtcattac ttctttctat ttaatctccc gttcaagccg ccatgatgag ctctgtttcc 300
 agatcttggg aaagaatggg ccaccgtatt tgctgaatac gaatatgtat ctgtacgggtg 360
 aaggaggcaa agatcagagg tttcgtcnct ggtttgatcc aacaaaagat tacattccta 420
 cagttttctt tggaacccta atcaacttgt gttt 454

<210> 13403
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A9

 <400> 13403

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aaaaatcact cctttttcct ggattttgtt ttctcgactg atttggggaa aagctatggt  180
ggtctgatta atctctgtct gtcnttgggt agatggggtt ggatgctgtt aaagctaaag  240
ggaattggaa atcggagaaa cctaaagaga ctgagaataa gaatcacaag aagaagaatg  300
gtgatgataa taaaagtaga antgaanaag aagaagangg agaagcaagt ggttgctggg  360
tcaaatttaa gtttatgatt ggttgcatat cttcaanaat caagaccttg atgcctcgtc  420
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<210> 13404
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F7

 <400> 13404

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agtgaaatgg ctttttgcaa taagctaanc cgtttcgtga ggangcagag tgagaatgct  180
tccatgattg gctctctcag gtctttctct gctgatgcc a ctcancataa gattccacca  240
ngagactcac aattttcttg agccatatta ctatattggt agctgggaag ctccgagtga  300
tccgaaagat gcanagagaa anttgctcag ctttaagagag attatgctaa taaaagtctg  360
agtgtatcgt aaagaagtac attcatgaag attgagatgc ttcgtgttga gaaacaacgt  420
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<210> 13405
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B1

 <400> 13405

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 tctagctccc aaaatcggtc cgctaggtct cgcaccaaag aagatcggag aagatatcgc 180
 gaaagaaacc gcaaaggaat ggaaaggatt acgtgtaacc gtcaagctca cagtgcagaa 240
 tcgtcaggcg aaagtgcagg tggttccatc agcagcagca ctcgtcatca aggcgttgaa 300
 agagccggag agagatagga agaaggtgaa gaacattaag cataacggga acatctcgtt 360
 tgatgatgtt gactgagatt gctaggtncat tgagacctaa ttcaatgca aggaatnagt 420
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 <210> 13406
 <211> 87
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C3

 <400> 13406

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 ttggtcgcan gaaatcaaag agtttta 87

 <210> 13407
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C5

 <400> 13407

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 gcgtctgatt tcccttctgt gtcggcgggcg gtgttaaaga gatccgttat agggcggttcg 180
 acggaagtag ctactcgagc accggcgaga ctgttttcaa cgaggcagta caagctttac 240
 aaagaagggtg atganatcac ggaagacact gtgttggttcg aaggatgtga ttanaatcac 300
 tggcttatca ctatggattt ctccaaagag gaaactccta attcnccana agaaatggtc 360
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 ntgtncgcnt gaacanaact acttacaagg attna 455

<210> 13408
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C6
 <400> 13408

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 gccgacgcac cttatcctct cctctttctc cacaggcaaa gtccctccaat tccgccgctc 180
 ccgtttcagc cacacaccgt cgtcgctgct gtctcggtat cggactctcg tagctcaact 240
 cgggttcaga ccagattcct ttgatttcat caaggancat gccgagaatc tgctgtanac 300
 gatcgctgat gccgccgttt cgctcctctga aacctttgaa tctgtcgccg gcactactac 360
 caaaacganc cagagcaatg attggttctc tggatttgct aattacatgg aaactattct 420
 caaggttttg aaagatgggt tatcaactgt acatgttcct taatcctatg ggnttcgcta 480
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<210> 13409
 <211> 542
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D1
 <400> 13409

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 gcttacaacc atttcggaaa aggacttggtg cagaggatgc ctatgggtccg atgggggtttc 180
 gtccacgttg tcaacaatga ctacactcat tgggagcttt acgcatcggtg tggtagccaa 240
 ggtcctacca ttctcagcca tggaaaccgt ttcacgctc ctctcaciaa acaacactac 300
 agagaggtga caaagaggga ttatgcttca gaaagcgaat ggnaaaactg gaactggaga 360
 ttcgagaaag atgttttcat gaacaatgca tatttcagac aatctggaaa tcttcatttc 420
 aagtgttccc attctangna acanatgata aagcccaaaa atggnatggg cgtttntaaa 480
 cttntcaa at nngcccgggc antnggttgc ccggtccgga aancatgcta aaaatattac 540
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<210> 13410
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D11
 <400> 13410

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 tcattccaaa aagttgaaac atgtttccgc tttactgcgg cgtgaccatg ctgtggcagt 180
 ccgctgtttc tccaacagta cccacccctc tctcggttga agagaagata tcttcaaggc 240
 ccgcctgaat tattcctctg tagagagaat ttcaaaatgt ggtactggca atgtaacaat 300
 gcttagtggt atttcaacaa cgagcacaaa actaagcanc ccaatggcan gacccaaaact 360
 atttaaagaa ttataagct ccaagntgcg atnagtgaga ggatttcac cagttcagat 420
 tcttctctc acaagagatt gggaag 446

<210> 13411
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D2

<400> 13411

ngagtgtntn cggttccacg ccnagaaacc cgaancggnc caacgantag gcnaaagctn 60
 angccnangc tnnccgcncc gcttggggaa nccncnattn taaagctcca ccctttccct 120
 ttcaacctct ctctctccat tgttgacngt ctctcttccc tcgtaaacad cgctgtctct 180
 aaagatggcc tctctctcag gcctatactc ttcttctcca tctctcaaac ctgccaaaaa 240
 ccattccctt aaagcattgc cggcgcaatc tcgagattcc ttctctttcc cacatactc 300
 caaaccacc aatctaccgt tgactctctc ctccgctcgt tctgtggcac gcgacatttc 360
 tcatgcggat tcgaaagaaa gagcttccca aaggattcgg atgcgttggtg gaagcgatac 420
 ctcnattggt ttatcagcaa gaaagaacct gggttgtatc tggatattaa tccggtcggg 480
 nttaacgatn antttgtggc tgaaaaggga gccaaagg 517

<210> 13412
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D9

<400> 13412

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 cctcttttga tctttgtttg acttctgac aacttctcaa ctttgtactt gcaaggcttg 180
 aaaaatgagg cgtgagtctc catggctatg gaaagtagaa agcagacggc ttctatggct 240
 attaggactc acatttgctc tcattgttac ctttcaatac atcgagctac cgtacgctat 300
 ctcatccatc ttttcttcca ccaagattcc catttcaaga aactcaactt cacttatagg 360
 taactcgact tccgctatag cgccgagtcc cgcgggagat gaaggaagaa gttgaagggt 420
 gatnangata tatgataagt anccggaaa 449

<210> 13413
 <211> 52
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E1
 <400> 13413
 tatgtgacta tgcattgtgg aatctattgg ataacgtatt tgtnaancat ca 52

<210> 13414
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E10
 <400> 13414

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 aggcttaatg agctatgtcg aggaccaagg agtagtgatt tcaagaatcc acaagttctt 180
 aactcttcaa tgctagatgc aatgaagcaa gacgtttcag cagtagatct ccagcgctac 240
 aatggggaga atttccttga atcatttgtg aaagcaaaat tctttgtgat caagtcatac 300
 agcgaagatg atgttcataa ctgtattaag tatgggtgcat ggtcgagcac accaactggc 360
 aacaagaagt tgaatgctgc atattatgaa gccaaagaaa actccaaga atgccctgtg 420
 tatcttctgt tccngtgaat gcaa 444

<210> 13415
 <211> 270
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E11
 <400> 13415

anncaacaag aagtagtant ggcttctct atgctctcct ccgccgctgt ggttacatcc 60
 ccggctcagg ncaccatggg cgctccattc accggcttga antcatccgc tgcattcccg 120
 gtcacccgca ngaccaacaa ggacatcact tccatcgcaa gcancggggg aagagttagn 180
 tgcatgaagg tgtgnccacn aattggtaat angaagtttg agactctatc ttacctcnct 240

gaccttattg acgtcgaatt ggctanggaa

270

<210> 13416
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E2

<400> 13416

aattctcctt ctctccgtca gacaaatcta cgaacaagcg agcctgagct taagaccaa 60
ctcatagaga tgggtttctt cncctttctt ggaagagttc tcttcgcttc tctctttatc 120
ctctccgctt ggcaaagtgt caatgatggt ggtcctgcag ctaaagaatt ggctccaaag 180
cttgatttgg ttaaggcaca tttatcttct agattangag taacattgcc caaaatagag 240
gtgagacaag tcgttgctac tattattgcc ctgaaaggag tcggaggctt actctttgtt 300
atcggaaca ccttcggtgc ttatcttctg gcttcctact tgggtggtttt cggtcctatt 360
ctcctaagat ttctacaact acggacctca ngaacgtcaa ttctctcttc tgtngacaga 420
attcttgcag aacgttgcac tcnttgggag cgттаатсnt c 461

<210> 13417
<211> 104
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E4

<400> 13417

tctgaacgaa tttnaagact gctgttcaca gtcatatgng aaagatttgn gggaagcatg 60
tgtgggagaa ctaagtgtga tgttacagta cggaaggat ntga 104

<210> 13418
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E6

<400> 13418
aatcgtncctt gtcgatggcg atcaaagngg gaaaggtggt ganaacggcn actgctgctg 60
cnaggaagtt ccaacagaaa cagttctcag cctcancttc ggngtttcca gagccaccac 120
cgggtgtctcc atcttcgggt gtaggancat ttctgggtat tcccaanatt agtcgctcng 180
aatccgattt attagtctcc aagtacatca naattgccca 220

<210> 13419
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F1

<400> 13419
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ttcaaagtca ttgatggcat tctctctgat ttcagcaaga tctttaagtt tanatttgct 120
cacttgggtg gtgatnaagt aaatacaact tgttgggtctg caacaccgcn aatagcccaa 180
tggcttaaaa aacatcggt gagtggnaaa gaagcctatc aatatttcgt gttgcgggcy 240
caanaaatcg ccttgtctca cggatatgaa attatcaact gggaagagac cttcatcaat 300
tttgaagca anttaaaccg gaaaaccgtg gttcacaact ggcttaacac agggactggt 360
gagaatgtga ctgcgtccgg tttaagggtg atagntagta accaagaatt ttggtatttg 420
ggttatatgg acncaccttg gcaaggcttt acccaacgaa c 461

<210> 13420
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C2

<400> 13420
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aaaaattccg cgacttgggc tttgatccat tcccagtga tctcactgct tttctcacag 120
aaaaaaatca ctcttttttc ctggattttg ttttctcgac tgatttgggg aaaagctatg 180

gtggtctgat taatctctgt ctgtctttgg tgagatgggt ttggatgctg ttaaagctaa 240
 aggggaattgg aaatcggaga aacctaaaga gactgagaat aagaatcaca agaagaagaa 300
 tggatgatgat aataaaagta gaaatgaaga agaagaagaa ggagaagcaa gtggttgctg 360
 ggggtcaaatt taggtttatg attggttgca taccttcaaa atcagacctt gatgcttctt 420
 cttcttcnat ctatggctct aactgcactg ttacaacaat 460

<210> 13421
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F11
 <400> 13421

gcggacaaca tggtgaatat gatcaacgtc ctgatatgtt tagagggaca gttagatacg 60
 caagtgcaca tgctcattta gggagaactg ctagcagaag ggatgatctg gaatcattag 120
 catatacact gatctttctt caccgaggta gattgccatg gcaaggatat caggagagata 180
 acaagtcatt ccttgtttgc aaaaagaaga tggcaacatc gccggatatg ctttgttggt 240
 tttgtcccc tcctttcaaa caatttcttg agatcgtggt aaatatgaaa tttgatgaag 300
 aacccaacta tggaaagtta gtatctctgt ttcaagacct cttgggcgaa aatccggcaa 360
 ttaggcctat aaacacagag ggtgctcaaa agatcatatc caagttggcc anaancnaag 420
 taggttaaca ttggggaaga ag 442

<210> 13422
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F2
 <400> 13422

gctttatctg atcgacacaa accagttttt tcgcateggc ttcttcttt tgctactaag 60
 ctctcctctc ttctccgaaa atggcggttac aaaacaaaga agaagagaaa aagaaagtga 120
 agaagttgca aaagagttac ttcgatgttc tcggaatctg ttgtacatcg gaagttccta 180

taatcgagaa tattctcaag tcacttgacg gcgttaaaga atattccgtc atcgttccct 240
cgagaaccgt gattgttggt cagcacagtc tcctcatctc tcccttccaa attgctaagg 300
cactaaacga agctaggtta gaagcaaacg tgagggtaaa cggagaaact agcttcaaga 360
acaaatggcc gagccctttc gccgtagttt ccggcttant tctcctccta accttcctaa 420
agtttgtcta ctgcgcntta agttggntcg cgtgg 455

<210> 13423
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A7
<400> 13423

gccccaaatct gacgcttctc tctctctttc tggatatctgc gtttgattcg gagaagaaaa 60
aaaaaaaaa aggnaaagag agagcttcaa tggagttagc ttcttnnggt ggtaaagctc 120
tgtttgtttc cgtatttctt ctctccgcat ggcaagagtt caatgatttt ggtgaanatg 180
gtggccgatn agctaaatct ttgaaaccaa aattcaatgc ctttgtaaac catgtgacaa 240
ctcacactgg ccagcaattg ccaccaagtc natatgaaga ttcttggtgc tgctgctata 300
nccttgnaag gtattggggg actaatgttt gtccttgga gctcaatggg gaacttaact 360
cttgcntctg catcaaagcc cttgcnaaac caaattctgt atgantnta naanctncga 420
aagttgnca 429

<210> 13424
<211> 603
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A9
<400> 13424

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tcccccgggg ggtnnngaana cccccaaaag gccggtncng ggcccaaaag gcnggtnc 120
ggtttaatcn aaatggaana ataacaacta atcaaaaatc ctctctctcc taatttccta 180

atcngctttc tccctccttc ctcaaactct ttcaacttcc taaaacaaat ggttatgggt 240
 cctttggttg gggggatttg aaancctaag caagcntctt cgtttggtgt ccnttgggag 300
 ttatttaatc catcatctgt tgttttagcg ggtggattag cagggatata gagttcctga 360
 tttgagatct cgattagcaa gcagctcaag acatctcctt agctcatgtt taaggatgat 420
 ggcgctcaa tttattgatc ccctttgggt cgatctgagt ttatctcact tgattcgtgt 480
 tccaagatc tagcctctta agggacagag atcgggtttt ctctgttggt gatgttcgat 540
 tcgtcctgcg gagttgcaat ccttattggg gtcaagtcaa ggagatctcg atntcaaagc 600
 ctg 603

<210> 13425
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B1

<400> 13425

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 acancttctc caatcaatct cagagaaaaa aagaaatggc ancaaaccct aaagtctact 120
 tcgacatgac cgtcngtgca aatccgccgg ncgtatcgtg atggagcttt angcggggnc 180
 aacaccanaa accgccnaga atttcagagc actctgtntc gganagagag gaatcggtna 240
 acaaggtnag ccattacact acaaaggatc aagctttcac cgagtgattc cgaaattcat 300
 gtgtcaagga ggtgatttca cagccgggga atggtaccgg aggtgaatct atctaaggat 360
 cgaagttcaa agacgagaac tttatcaaga anacatacag gaccaggtta tttgtctatg 420
 gctaacgctg gtgcgaacac gaatggatct cagtttttat ttggtactga agaaagactt 480
 cgtggctcga tgggaaacat gttgtgttt 509

<210> 13426
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-030-Q1-E1-B10

<400> 13426

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aaacttagct atgggcttag cagtgaccat tgtgaccctg tcctcgttgc tcagaaggtc 180
tgtgccggtg tctataaagg agtcactacg agtcaacttg atgagttggc tgctgaaact 240
gctgctgcta tgacttgtaa ccatcctgat tatgcatctc ttgctgctag gattgctgtg 300
tcgaatctcc acaagaacac taagaagtca ttttctgaga cgattaagga tatgttctat 360
catgtcaatg atagatctgg actaaagtcc ccactaataa ccgatgatgt gtttgagaaa 420
attatgcaga acgctgc 437

<210> 13427
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B11

<400> 13427
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ccgccaaaact ccaatttntt ttgtttctct caataatatt tgtgttcata ctgtttcgtc 120
gtttccaata cataactaatg gataacacaa accgtcttcg ccgccttcac tgtcatanng 180
aacccaagtt cactcntagc tctcaagaag tgagtagtat gaaatgggag tttatcaata 240
tgaccgaaca agaagaagat ctcatcttta gaatgtacag acttggttggc gacaggtggg 300
atttaatagc aagaagagtg gtgggacgtg aggcaaagga gatagagaga tactggatta 360
tgagaaattg tgactatttc tcccacaaat gacgcaaaaa gtcactctcn ttaaaaaatc 420
tcgagaatct ccctgttttt cnatttctca tcctcattaa ataatttctg tgattgtgga 480
caagaaaagc ttattaagtt gtcgagtggg g 511

<210> 13428
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B12

<400> 13428

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 aaaaatcact aagagagaca ntctaaatgg cgatgattac gcgcaaacac cgccangcgg 120
 cctccctctc ctccctcaat ctcaacggcg ccgtcgccgc tgcctcggtc tctcagctcc 180
 acannngggt tggcgctctc tctccctcna catcaccgac ttcctacacc agacctgggtc 240
 ctctctcgac ctccccctct cctcctgggtc tctctaaagc ggcnngaattt gtgatntcca 300
 nggtcgaatg atctcatgan actgggctcg taccgggacg gatttgggcc taatgacctt 360
 tgggtctcgc ttgctgcgcc cgtcgaanng atgnanacng ggtgctgctc cgcnnacgat 420
 ntcgatngat tcgggtanca tcttcagggc taa 453

<210> 13429
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B2

<400> 13429

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 acgnntggga tcgaattaaa gtcaatggcg tcacgtttat gtcttctct tctcgttgcg 120
 tgtatcgccg gagcatttgc cggagacgtc atcgaactca atcgatctca gagggagtgc 180
 gattatttgc ctctatctct tcaatggcct ggaacctatt gccgtggaac tcgccattgt 240
 tgctccaaaa acgcttgctg cagagggtcc gatgctccaa ctcaattcac aattcatggg 300
 ttatggcctg actataacga tgggttcgtgg ccttcatgtt gttatcgatc tgactttaan 360
 gaagaangag atttcaacgt tgatggatgg tcttgagaag tactggccta gtctcagttg 420
 tggttcccca tcanncatnc aatgggtggg gaaagggtca ttttgggggc cacgagtggg 480
 aaaaaacatg ggacttggtc ttcnccctgg tttt 514

<210> 13430
 <211> 72
 <212> DNA
 <213> Arabidopsis thaliana

tttcggaaga cgagcttttac ggattttaaac gatcggagat gtacagtggg actctcgccg 300
 gttccgttgg tccgtacggg cgtcatgttt tccnttggtta chatagtcac ganacttggn 360
 ttctcgtgt tgacagtga ngacttntc agccgtttcn gcgagngttg ttttaaggatc 420
 gtnacacc 428

<210> 13433
 <211> 251
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B7

<400> 13433

natgggngag cnggggaaga aagcnaggng gatttgncna ngaaaaatct ccagtccgtt 60
 gagaaacgag ncagaaagct caagcctttt atcaagaaga aatttgcanaga gagaaatgag 120
 cgtcnccaag gcaggagata aacaggagaa gaaggtagaa gcancaacct aagaaagaga 180
 tgtcaagaag aagaatttca ggatatagca atagatgcag tattccggaa aggatgatga 240
 tgaaattctc c 251

<210> 13434
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B8

<400> 13434

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 agcattggag ttactttcaa gctcctggat gtcaaggcat gttaaggcgt attctactct 120
 tgtggtgcct taaacatccc gagtacggtt atcgacaagg gatgcatgag cttttggcgc 180
 cactgcttta tgtacttcat gttgatgttg atcgtctctc tgaagtgcgt aaaagttatg 240
 aagatcattt catagacaga ttcgatgggt tatcttttga agaaagagat attacttaca 300
 actttgaatt caaaaagttt ctggaggatt tcacggatta tgaaattggg ggtattcang 360
 gggaattcaa nagaaaataa agagtctaga tgagctcgat cccgaaaatc caagtctant 420

gtgangttaa gtgatgccta atggaactga aag

453

<210> 13435
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B9

<400> 13435

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aggggaaaat taggctatgg cgatgttagg tgcacagcaa gttccagcag cagcttgtac 120
tccagatatg gttgggaatg cttttgtgcc ccagtattat cacatattgc atcaatcacc 180
tgagcatggt cacagatttt accaagagat tagcaagtta ggtcgtcctg aagagaatgg 240
tttaatgagc atcacttcta ccttgcaagc tattgacaag aagataatgg cgcttggtta 300
cgggtgtaatc agtgcagaga tagctactgt ggacacacaa gaatctcatg gangtgggta 360
tattgtactg gtgactgggt ntttgacggg aaaagacagt ntcaggaggg acntttatca 420
gacct 425

<210> 13436
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C1

<400> 13436

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tggataaga cgtaatgaga agantgcttg ctatgtgact gtcaaggagg agaangcaat 180
gcanctcctt gagagtggat tgaaagttaa agaatacgaa ctcttgagaa ngaacttcag 240
cgacactggg tgctttgggt ttggtattca agaacacatt gaatttgggt atcaagtatg 300
attcatcgac tggaaatcta cggatggac 329

<210> 13437
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-C2

 <400> 13437

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 ctgagtacga caaagaacca tgatgaatct ttcttctcgt cgcgctctct cactctcac 180
 attgagcttc actgttctcc ttttagcttc cacagggttc tatggctcaa cattcacatt 240
 cgctaatacgg tgcgggtaca ccgtatggcc tggaatccta tcgaatgctg gtcacctac 300
 tctctccacc accggatttg agctccctaa aggcanctct cgctctctcc aagctccac 360
 cggttggctc ggtcgattct ggggctcgta ccgggtttca agttcgacag ttctgggctc 420
 cggtaacatgc aaaaacgggtg actgcggctc naanngctgt cnaaatgcgc cgggcttggc 480
 gccgcacccg cntgtaactc tcgaggagtt aatctng 517

<210> 13438
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A6

 <400> 13438

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 cgtccgagca aaactatgta ccggcaatgt tcttttccaa aatgattctc cggctacttt 120
 acttgcaagg gtcacggta taatcggatc aattgaccaa gaaatgcttg ccaaaggacg 180
 tggngggatg caagtacttc accaaaaatc atttactata tgagaggaac caggagagta 240
 anaatttgga gtanctaata ccgaanaagt catcgctnan gcgtatacta ccaatgggtg 300
 accaaggctt catatacttt gtggcatann tgctccaagt tnatcnntag aaacgcccgt 360
 ctgcatttga agctcttaag cancttgggt tgacntatcc ctacnaaccc atntctggct 420
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<210> 13439
 <211> 206
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-G10

 <400> 13439

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 caagaatcat caaaagaaga tctgataaaa gatgctatta tggccataa gggaaacttt 180
 gcaaggggaa aactgaaga ntcgct 206

<210> 13440
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-G12

 <400> 13440

gtttcagaa gcgaaatggt tgtctctagg agtctctcga gacactgctg gaggacttgt 60
 aaatgggtctt tattttctct cctccaatcc gattcctgtg ttaggnanct ggtttcgtca 120
 tcgaatccgg ttacgagcat tggtaactca agtgaaggta attcgaattc gtttcagccg 180
 ttgatgaatc aagtgtttta aggatgggtct cgaggatgtg caacatcgag aggaaggagt 240
 atgangagca aagttgagag tanaatgcgt aaagagtctg gtaagacgtt aagagagatt 300
 aggagagcga agaagttgaa gaagaaactc atgactgatg aagaaaggct catttacaat 360
 ctcaaaaggg cgaanaagaa aagttgcgct ttgttgcaaa agtcaagaa gtatgatctt 420
 cctgagctgc cat 433

<210> 13441
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G5

<400> 13441

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ggaaaaaagg ggtctccttc aaacattctg cagagggttc tggtatggac aaacaagaag   60
atgaaaacaa tgatggggag gctcttgagc attttgagaa aattatgact gtagaaagga   120
gcacagtgtg tgatgatagt ggtgatggta caagtgaagg agatggagct aaagagctaa   180
atgatactca gtgtaatggg aatacgttgc accaacaaaa ctccaaactc tctttgttan   240
gacatggacc gcacgggaaa cagatcgtag aatatccttt aagggaacat gganaagatg   300
gtgtacgtaa ttctgtcaaa nggtggagaa aatgttggtg atccgttcac ctccgcattt   360
actggtggtt ggatgttatc acaattggcc aaaaaaactt t                               401

```

<210> 13442

<211> 66

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G7

<400> 13442

```

nacagaganc agatgtgcga tgttttgctt gtgaaaaact cggataaaac ctgctctaaa   60
atcncc                                             66

```

<210> 13443

<211> 255

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G8

<400> 13443

```

cgtttgtttt ccggtttgcg agacatattc tatcggttc tcaactgtct gatgaaataa   60
atatgtaatg ttctataagt ctttcaattt gatatgcata tcaacanana aaaaaaaaaa   120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gngggcncc caaaaggntc   240
naannttant taccc                               255

```

<210> 13444
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H1

 <400> 13444

 tangcattgg tagacatgcc tttggtgacc agtatcgtgc cactgataca gtaattaaag 60
 ggccaggaaa gttgaaaatg gtttttgtcc cagaagatgg aaacgcacct gtggagctag 120
 atgtatatga tttcaagggc ccaggtgtcg cacttgctat gtacaacgta gatgagtcaa 180
 ttagagcttt tgctgagtca tctatggcga tggcattaac taagaaatgg ccattatact 240
 tgagcaccaa gaacacaatt ctcaagaaat atgatggcag atttaaggac atatttcaag 300
 aagtttatga ggcgaattgg aagcaaaagt ttgaagagca ctcaatctgg tacgagcacc 360
 ggttgattga tgacatggtg gcttacgcag tcaaaagtga aggtggctat gtctggggcn 420
 tgcaaaa 427

<210> 13445
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H10

 <400> 13445

 nnnnnnnnaa nggtntgtct gcctggtcta nngatccaca atcccgggtg gccccacgcg 60
 tccgcttaca ttgggacaca cctcaccgag actaccatta ggaaggntaa gacacagaca 120
 cntantgagg nttctcggat tttgctcaaa ccacgagacg aatctacttg tctatgagta 180
 catgccta at ggtagtctcg gtgaggtgct tcacggtaag aaaggaggac acttgcat 240
 ggacacacgt tacaagattg ctcttgaagc tgctaaagga ctctgttacc ttcacacga 300
 ttgttctcca ttgatcggtc acagagatgt caaatcaaac aacatcctcc ttgattcaaa 360
 ctttgaagct catgttgctg actttggtct cgctaaattc cttcaagatt ccggtacttc 420
 tgaatgtatg tctgcaatcg ctggctctta cggttacata ctccagagt atgcgtatac 480

gttgaaggta gatgagaaga gcgattggt

509

<210> 13446
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H11

<400> 13446

cacagatacg gcgtgtggta ataaataatg tcttctggct tgaaaatcat agaagaaccg 60
caaaaaccga ttgagaagct gcagatttat ccgacggcta atgctgggtg ttctcccttt 120
tggcgagaca agtatgagcg agatgctaaa aagtattggg atatatttta caagcatcat 180
ggagacagat ttttcaaaga ccgcactac ttggataagg aatggaatag ctatttttcc 240
gttagtggga aaagtgtcat tcttgagggt ggctgtggag ctggaaacac catctttcca 300
ttgatcgcca catatccaga cttttttgtt tatgcatgtg attttcacca cgagccgtcg 360
aattggtcaa nggctcatga tgaatacaca gagacacgcg tttgtcattt gccttgtgac 420
ttgacagggg atggtct 437

<210> 13447
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H12

<400> 13447

ncttttgatt tggggagact tttgtttgcg ttttcttaga ttttgaaact ccctttttcc 60
aagattcact acttcgattt tgaattttta tccaaaagtt ctctctcttt aatttcacaa 120
ttgcgtttcg attttatggt tgtttttttt gtgcaaatcg aaaaaaccct ctttttagatc 180
tgatttttga ggttcttgat tttccaaaaa cttgtaattc agaatcatag tttcaattga 240
tttcttttat atcgctaata taagaaaaaa accgtctttt gtcttanggt ttctaatttc 300
aatcttgat tcctcttcaa aaattataca tatttgtggt taccaattaa gggttcnaat 360
ctttgttttt ggtccggttt aaatcagaaa ccccttttaa aaacctgna ttcctaataa 420

aacgttggga aaaaat

436

<210> 13448
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H4

<400> 13448

aaaagatgat gttgatgaga tatttaatca agctagacaa ctaggagctg tagaaggacc 60
tcttgagcca cctccgagtt ccaggagttt cactggaact ggtagattgc tttctggtga 120
aaatgtgcct actggtaatc aacagcctga gcctgttggt cacaacattg ttttctggtc 180
taatggtttc actattgatg atggtccttt gaggaattg gatgatcctg agaatgcac 240
gtttctcgag agcattcgaa agtctgagtg cccgaaagag cttgagcctg ccgatagaag 300
agctccggtt catgtcaact tgatgcgaaa ggaagagaaa tgccctgaaa gacagaaacg 360
taggnittcaa ttcaagggtg ttggaaaact cnaaggggta acaatgaaag gtgcgg 416

<210> 13449
<211> 247
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H5

<400> 13449

tttancctttt gatttgggnt ganttgatg anganaagaa gatagataga taggtaattc 60
ggattganat ctgcaatgaa tggctcagat tcaagcanca gggtcaaaat gccaatggtg 120
gtgtagctgn tcccgggtgct gctgcggctg aagcagcggg ggctgcagct ggagcngcgg 180
aagaggctgg cggagcagca cagcaaggga cgactcttaa atgtcggtna ttnggatgcy 240
aacgtta 247

<210> 13450
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H6

 <400> 13450

 atgtntgtct ggncgnncgg tccgganatt aagggtggcc gacccacgc gtcagccac 60
 gcgtccggag ttaagcagca cgttcaagca gttactcaac tcaggcatgg aacagctagt 120
 agcaaccgtg acaccaagaa tccgtccggt tctanacacc gtggctacca taagctacna 180
 nttaacagaa accgagtacg cagagaatga ggtgaacgac ccttgggtcc aaagacttct 240
 ccactcattc ganacaaatg cncgtggct ccaaccanta atgncatcca ncaactacga 300
 ctcgtttctg catctcataa ttgatttcat acttaagaga ctznaagtca taatgatgca 360
 gaaacggttt agccancttg gtgggcatca gcttgatcna 400

<210> 13451
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H7

<400> 13451

 nnnngnnnnn nnnggaattg tcnnggccgn nctaccggtg agcacattcc cgggtngncc 60
 cacgcgtccg gaangctctt caagaattag ggtttcgttt tgaatcttct ctgattccca 120
 aatccaaaga tatgaagaga tcttcaggga gaaaggattc aaatttcata gaacaattga 180
 tactttacgt cgctagtgtc gcattgagta gcttggttct ctacgttggc ctccgtcaac 240
 ttgacccgaa ccgtgacgcc gctaaaaagt ctctcgagca caaaagagaa atcgccaaac 300
 gtttggggtcgc tcctcttatt caaaccaatc aatacgagga tgtgattgcg tgtgatgtaa 360
 taaaccatt acacatagat gttgaatttg gttctattgg aggattggag tcaattaagc 420
 aaagctttgt atgagcttgt gattccacca ttgaaaaaga actgagcttt ttggctaagg 480
 gaaattactg ggtccccaaa 500

<210> 13452
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H9

<400> 13452

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agctttttca gcttctttgt tgaattgcga gcagaggtag aaatcagcag gaaacaaaaa   60
tgttgttctt ttcttacttc aaggatttgg ttggacaaga agtgacgggt gagctgaaga  120
atgatttagc cataagagga actcttcact cagttgatca gtatctgaat atcaagctcg  180
agaacactag ggttggtgac caggacaagt accctcacat gctttcagtg agaaactggt  240
tcatcagagg atctgtggta aggtacgtgc agttacctaa agatggagtc gatgttgatt  300
tgcttcacga cgcagctaga agagaagcta nggggtggct tgattcctga aatatctttg  360
tatctcccaa aacttgaata ctttcattcg gcgtaatggg ctttataatg aatattccct  420
gag                                                                    423
  
```

<210> 13453
 <211> 267
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A1

<400> 13453

```

caaanccttt gagaaactca naanggacac nacgagaatg tcaagaaagt catcaaaagg   60
cntaagggta nggatgcntc caaaggacgg gcttgtctgc actggctcgt aagccctgga  120
tcgctgttgg aatgaagaac gttgactaca agagagcccg gcatttcgan gttgacntgg  180
ggggagtcc gtaacatccc ttgagatnaa caaaggagaa agatgactgg ctaaantgga  240
gccccctggt aacatgggaa aananttt                                     267
  
```

<210> 13454
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A3

<400> 13454

```

nnnnnnnnng aagtgtttnt tngccgcccc tatcggttaag annttcgagg gcngacgcgt   60
  
```

ccgtaaaaaan ctacctcagt gaccatagtc tcactttcca atcccacaaa gtcattctaa 120
gtctttggag tgttgcattt gcaaagatgt ttacaaatgg gatgagtga agccattcat 180
canngattta cctaaccgat gtatcaccag aagcattcaa ggctatgatg aatttcatgt 240
atagtggaga gttgaacatg gaagacactg tgaattttgg caccgagttg attcatcttc 300
tctttctagc tgaccggttt ggagttgttc cacttcatca agaatgctgc aaaatgctct 360
tggagtgcct ctacagangga tggcgttccg ttttgaaga aggattctgt atgctcagtt 420
ctccaagtgg tttcgtnat ccacatgtaa accattgagg agatgtgcaa gangaattct 480
ccatgcactt cgactattgt acactg 506

<210> 13455
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A4

<400> 13455

ccaatgcctt cgtttctttt actatttgcc ctgatgtttc cttgggttac aagcatgtct 60
tttgggaatt gagagcaact ttgtttaaat tttcggttgc aaaattttta gaagaagcct 120
ctgatatttt gtttctttta ttaaaggatc cctctttgta cagcaaaact cttgttaatt 180
ttggttcac accccaatta tcaaacttta tttttggcta aaaaaaaaaa aaanaaaaaa 240
aaaaanaaaa aaanaaaana aaannaanaa aaaaannaaa aaaannanc 289

<210> 13456
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G1

<400> 13456

gctcaaaaaca acttaagaag ttgtctgcga tacaatcaag cttgaaaact gtgaagaaca 60
ttattttacat tgaagaagat ggagtagatg ttgcttcnag tgatgtcaat agtatgggtg 120
atataactgt ttcgtcgatc tctgaagttg agaaacttgg gcagaagaac gctgttcaac - 180

cgatcttacc ttcgaagaat ggagttgctg ttataatgtt taccagtggg agtactgggc 240
 taccaaaggg agttatgatt acccacggaa atcttgctgc aactgctgca ngagttatga 300
 aggtgggtcc aaagttggat aaaaatgata catatatgtc gtacttacct ttggctcang 360
 tgtttganct ggaanctgaa attgtggcct ttaccnaagg tatngccacc gggtanggnc 420
 aacnaatgnc tt 432

<210> 13457
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E10

<400> 13457
 agatttcccc atacttagag gtcaagagaa ataaaatatt tttccggcga cgcaatggct 60
 tcttactccg gttgtttctt cgtcggttact ttggcagttc tgtcacaatt tctcttagcc 120
 ccagcttcag ccttgggtcaa cagggaatac atcgattcca attgccaaag agtcaaaaac 180
 aaagccttct gcatccaaac tttgaccacc tatcctcctg ccgctgctgc caccggcctg 240
 ttaccattgg ctgaggccgt gggtggcctt gcaatatccc actgcgagaa gacagctggg 300
 ttgcgagcag agacagccaa aaaagggacg caaacatttg aaagaactca agtttcaacn 360
 aagttgcaa cgaacgnct aaggnttggg taanttttgg gcggttctcc taaaagaanc 420
 cgctcctaac tgggaaactc caagggaact ccaaccaaga acaactggnc caaacttaac 480
 gaacngt 487

<210> 13458
 <211> 558
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E12

<400> 13458
 nnnnnnnnaa ctggttcctt ttgccnggcc cgtaccggnc cgacattccc gggtngnccc 60
 acgcgtccgc tcagattcct attcgtctct gcaattgaat cttccggtag gcgaagatgg 120

cgacgtctgc gaggatttgt tgcggaggag gaagtgcacg cgccgttcgt tgtgatcgtc 180
 gcncgttaaa tttgaattct cgatcgatcat gtgttggtcc agtgacgaat cgacggaata 240
 tgtgtgcgat cgggaagatt tcgatgtcga tggaggattt gtcaccaccg tctgcggcgg 300
 tgaagattga aaggatcggg ggaaggaaaac gcggtggatc tgttgtgtca agggagaaaag 360
 ctaagatgtg tggttgagaa gattcgggtgg tttgagattc gtgaaanaat ccttaanana 420
 attcgccgtt taatggatgc aattttaata acgccggnag ggctaaatgg ggtggggttt 480
 ggacnaacga acgggnaaac cgaaatccca aaagggccgg aaggaattgg ggccaanaag 540
 aattgggaan ggaaaagg 558

<210> 13459
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E2

<400> 13459

nnngnngaag tgtctctttg gnnngcnccg gtccggaaat taacgggtcg acgcacgcgt 60
 ccgaaaaaaa atataacctt taaattttct ctcatttctt catcttcctc tccacaaaac 120
 ccattttaat ggcggaaggtt agaaacccta caaaaaatca tcatgggtcat catcatcttc 180
 atgctctctt gatcccatat ccattttcaag ggcattgtaa cccatttgta cacttagcca 240
 tcaagctcgc gtcacagggg atcacggtca ctttcgtcaa cactcattac atccaccacc 300
 agatcacaaa cggtccgat ggagatattt tcgctggagt taggtcagag tctggccttg 360
 acataaggta cgcgacgggtt tccgatgggt taccggtcgg atttgaccgg tcgttgaacc 420
 atgacacgta caatcgtcgc tgttgcacgt gttccatgcy catgtggaag aacntgtggc 480
 gaatcctggt ggaggagang 500

<210> 13460
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E4

<400> 13460

ntgnngaant gtcnttttgn nngcccggtc cgncataacg ggtcgacnca cgcgtccggg 60

cntactcagc accatcaatg gaccgcccgg agacgatcgc cgtcaaatgc gaacccatga 120

ccgttgactc tccttctcga cctctaaagc ttgtagtttt agctgacctt aatttcaatc 180

ctcctgagac tgatgatctt gactcatcca ttccaatccc tactcctcct cccatcacta 240

ggttgagtaa cgaggaaagt catcaagagg gaggtatatt aacatgcaag gaggtggaac 300

caggagaagt agaagccaaa aagatcagca aggtgggaaa atgccgctcc agaagtaaga 360

ttgagtcttc ctctgattgt ggagttgatg cagatggtga tctggctaata caaggggtcc 420

ctgcatcccg ggaagaaaaa atcagtaacc tcaaatggg tttgattcat gttgcaagga 480

agatgcccaa aaaatgc 497

<210> 13461

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-E5

<400> 13461

ggaanctgga cgttcgtggt taaaccgacg acgtatttga aattggcttt gaaggaaang 60

tgaaattaat ggcggaatcn tcgtcgccgt cncctactga agagatcgtt cggttgatta 120

agcgtttaan cgcttacntt gctttcaaaa tgtcaagcct tttctccact acatcnattc 180

gaaatctgga ttcaagatca attggtgcga ttgcngggct tgcgattgcg gtgatattta 240

cgtgganggc gataanaacg cccggagagc aacgtcagag aangcagccg aancgtatga 300

ttcacaatgc tgaaacntct agtgctgcng ctgctgcttc tcagtcgaat ctaacttctt 360

cggttgctcc ggaagtttcc tcgcctcntg aggataatnc ggtgcaagat gttgtngatc 420

agttcnttca 430

<210> 13462

<211> 437

<212> DNA

<213> Arabidopsis thaliana

aagctctatg taggatctca agccatgagc taccgcagag atcatatgga ggttttgtca 300
 cctataaaag atggcatcgt ttctgactgg gatttggtgg acaatatatg ggaacatgct 360
 ttcaattgtc tgatgattga tcctacggag catccaatgc tgctagctga acctccttta 420
 aacactcaac agcag 435

<210> 13465
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-029-Q1-E1-E9
 <400> 13465

taagaaaaaa aaacatcatc ttctgagatt ttaacctttt aatactcgaa atagacaaga 60
 agaagaagag aaaaagatgt attgtcttca agttgcagca tatcacgtgt tcttcaacgc 120
 atctcggata tgttatcttc ttgctctgat tatttttgtc tttctcagat tcttcgctat 180
 tttccagaat atctcaccag ataatcgagt cggcgagcca agaacggcat cgtttatgag 240
 gtttagtgat acacaacaag ctcagggaga ttttaatacta actttctctg gtgttttctt 300
 agaatctgta atcaaagatg tcgctgaaat tgttttttta gttttatatt gtagtattgt 360
 ttaattatgt acttatcggt atattaatta ccatgttaaa a 401

<210> 13466
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-F1
 <400> 13466

gtttgtgttc ttgggatcat caagagttaa aacaaaaaaa aaaaaacatt tcttttttcc 60
 ttcttcaatt tgagatttag tgtctccttt aacaccaca aagccagcag atgctttcct 120
 gatgactcct tgtttgatct gatcataaga agaagaagac tatggccact tattacaaaa 180
 ctggctcaag tgagatttat tccagaccag aatttgtccc tggaaacgca atgaactaca 240
 caaattcttt cacagagaca tttcctagag attcaactaa taatgtgtca cttcaaaaag 300

agattcaagt gttgtcaagc cttggtggag tttcacaaat ggttgagatt caagattctg 360
 gttcttggag agatcaagaa gacaatgaca ggaatcgctt cccggtgatg aagcgtcctg 420
 gnctcagctc gcaaa 435

<210> 13467
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-F10
 <400> 13467

tactcaacta tctgccacag gaaagctttg tgatgacaag gcagcaaaac agatcgtcgc 60
 atttcttagc gctccattgg aaaagtataa taatgtagta actatcttga agcttaccaa 120
 ctatcctcta gtaatggaat accttgaccg tgagacaaac aaagcaatgg caatcattct 180
 agttcagagc gtttttaaaa ataatactca cattgctact gctgatgagg tgtccgtttc 240
 cttcctcgat ttagtttctt ctttttagcat tctctattga tgtggagttt ctttttattg 300
 tttgttacag gtcgatgcat tgtttgaact gggcaaaggg tccatgaaag gattttgacg 360
 gaacaattga tgaagaaggt ccaanaacct aaccctggtc cgcaaadcct aatgcattgg 420
 ggtcaaagta tcttgg 436

<210> 13468
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-F4
 <400> 13468

gnntngaagt atcttcntgn ncntcgggtcc gacatacacg ggtcgacgca cgcgcccgca 60
 cacacngatt aacgaatcaa agatcgattt ggggatcaat cgaggaagaa gatgacggag 120
 gcgatgataa ggaagaagcc aggaatggcg agtgtgaagg atatgccgtt gcttcaggat 180
 ggtccaccac ctggtggatt cgcgcgggtc cgatatgctc gccggatctc caacacggga 240
 cctagcgcca tggctatctt ccttaccgtt tccggtgctt ttgcttgggg catgtaccaa 300

gttggtcagg gcaacaaaat ccgcagggcg ttgaaggaag agaagtacgc tgcacgtaga 360
gcaattctac cgattcttca agctgaagaa gatgaaagtt tgtgtctgag tggaagaagt 420
atctagaata cgaagcggga tgtnatgaaa gatgttcctg gatggaaagt ccgtgaaaac 480
nttacaattc tgg 493

<210> 13469
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F6
<400> 13469

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accctaattgt tatggaagcg aagattgtgg ttagctcttg tggcatgat ggtccttttg 120
gagctactgg tgtaagagg ttgaagagta ttgggatgat tgatcatgtt cctgggatga 180
aagctttgga catgaacact gctgaggacg ctattgtgag gttgaccaga gaggttggtc 240
ctggtatgat tgttaccggg atggaagttg ctgagatcga tgggtgcaccg agaatgggac 300
caacttttg tgctatgatg atatcgggac aaaaggcggg acaacttgct cttaaggctt 360
tggggctacc gaatgctatt gacggaactc tcgttgaaa ctaagcccgg anctgtccta 420
accgc 425

<210> 13470
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F9
<400> 13470

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tctcctagct cgtgcaatct ctcaccatgg ttctgaccaa cgtggatctt taccagcttt 180
ctctggactc aaatccaccg gttcacgcgc ctcagcttcg tctcgtcgac gtatcgctca 240

atccatgacc aaaaaccgat ctctccgtcc tcttggtcgc gctgcagctg ttgagactgt 300
 tgagccaacc actgattcgt cgattgtggg acaaatcggg caactcgatt aggtttttgg 360
 ctatcgatgc ggtggagaag gcaaatacagg tatctggtcc tcctaagggt tgtgctccga 420
 tgntcana 428

<210> 13471
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-D9
 <400> 13471

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 ccccttgaa gactgttttt gatgctgcaa gctgggagca gcttatgcgt cgttacatag 120
 ttcctaaatt acaggtggcc ttgcaagagt tccagataaa cccagcagat cagaacttag 180
 acgagttcaa tttggttatg ggggtgggtat cttcagtacc cattcatcta atgactgatt 240
 tgatggagag attctttttc cccaagtggc tggatgtttt atatcactgg ttgtgttcag 300
 aaccaaagtt cgatgagata atgaaatggg ttttgggttg gaaaggaaca ttcccacagg 360
 agctttctgc aaacaggagg atcgaaatcc agttcaagcg tgggtctanat atggcgaggg 420
 aagcagttga a 431

<210> 13472
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-C5
 <400> 13472

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 gatntttctc cggttcgcgcc acaaccgctg gttacgactt gaacgcnttc acgttcgacc 180
 cgatcaagga atcnatcgtg tcacgtgaga tgacgagaag gtacatgacg gatatgatca 240

cttangctga gactgatgtc gtcgtcnttg gtgntggatc ngctgggtta tctgctgcat 300
atgagatgag taagaaccct aangttcaag ttgcaantaa tgagcaatcc tgtaatcctg 360
gngtgggtgct tggccgggtg gtangctt 388

<210> 13473
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C7
<400> 13473

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agtagtccan gatatttcgt cgacatcngc atgagaaaaa agtaacaaca aatgtgcact 120
gggaagggaa aatgtcgana gacttgggtta cattcgcggg caggatacca antgactctg 180
ttaccgggag gtatgtacat gggatgtcct tgctacgtat caaagtgtgt tgctgattta 240
aagtctttcc acttagaatt ctgctgggtt gaatcgccga gctcaanaca aagactcatc 300
cgcacatatg accatgaagg tttagctgtc gcatcaactt attttactga tacaaaaatg 360
tgagcttctt cncatttatg ttccttggtc aatgttcaaa cctttgttaa tgttgccaat 420
ccaacttttg cnccanaatt atttgncttg gaaa 454

<210> 13474
<211> 317
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C9
<400> 13474

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ccctctaaaa aaaaaagggc ggncgctcta gaggatccaa gcttacgtnn gcntgcatgc 120
gacntcatag ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac 180
gtcntgactg ggaaaancct ggcgttacct aacttaatcg ccttgcanca catcncctt 240
tcgccagctg gcgtaatanc naataggccc gcaccgatcg cccttcccaa cagttgcgca 300

gcctnaatgg cgaatgg

317

<210> 13475
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D1

<400> 13475

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cgcgcccgcg cccgctccag ctccagctcc ctgccccgt cccgcttctg cgcccggtcc 120
agctcccgca cccacgcccg ctccagctcc agctcctcct aacaaagtgg aagctctagg 180
aggaaaatggt ggaacaatat ttgacgatgg tgctttcgat catgtaagaa aggtttatat 240
tggtcaaggt gattctggtg tagcttatgt gaagttcgaa tacagaaaag atgggaaaag 300
agagacacgg gaacatggaa aaatgacagt gttaggaaca gaggagttag aggttgaatc 360
cgatgattac atcacatcaa nttgaanttc tgtcnacaat gtccttgggt ttaaanagtg 420
aaacggcaan ttcccntgtc t 441

<210> 13476
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D10

<400> 13476

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cgtgtcacag cttctcgtng ctcttcgat gttgtgttg taggtggtgg gatcattggg 120
ttaaccatan cccgccaatt ccttaccggg tcggatctat ctgttgctgt tgtcgataaa 180
gccgtacctt gctccggcgc caccggtgcc gggcagggat atatatggat gacacacaag 240
aaaccaggca gtgatgtgtg ggacttgacc ttgaggagcc atgaactctg ggcacaaagc 300
ttgcagagag cttgactgat gatgggtctt gatcctgaag agttgcttgg ctggaaaaag 360
acaggaagct tgctcattgg taggaccact gaggaatgtg ttgctcngaa ncaaaagggt 420

atgag

425

<210> 13477
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D11

<400> 13477

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aagaacagaa agaaagaaaa tttgtttgcc aataggatat ttganttatt tgatgttaaa 120
cgaaaaggcg taattgattt tggagacttt gtgagatcac tcaatgtttt ccataccta 180
gcttccctag aggagaaaac agactttacc tttaggcttt acgacatgga ctgcacaggc 240
ttcattgagc gccaaagggt gaagcagatg ttgattgcac ttctctgcga atctgaaatg 300
aaactggctg atgatacaat agagatgata cttgatcaag acatttgagg acgcagatgt 360
ggatcgggat ggaaagattg ataagacaga atggagcaat ttcgttatca aaaacca 418

<210> 13478
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D3

<400> 13478

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tccgctgcat tcccggtcac ccgcaagacc aacaaggaca tcacttcacg gcaagcaacg 180
ggggaaagaa tttagctgca tgaaagtgtg ggcaacaatt tggaanaaaa aattttgaga 240
ctcnatctta cctccctgac cttantgacg tcnaattggc taaaggaatt gactaacttc 300
tccgcaacaa agttggattc ccntgtgttg aaattcnant ttaaagcaac gggttttgtg 360
ttacccttta ncaacgggaa acaactcccc nggtaacta cgaattggac cggttactgg 420
gnccaaatgt tgggaaanct tcnaatggt tccggatggc aacccgant nccgc 475

<210> 13479
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D4

 <400> 13479

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gtagatgtgg aaatcaaadc tacggetgat aagtttttca tgttctctag aagatcacia  120
catgcctcca aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc  180
gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag  240
gatatgattg aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga  300
cctctgaagg aagagtacaa tattttctcg aaaacgatga aagtnagccc taancaagga  360
nggtctggaa atgtggtgaa gtggaacttg aagtatgaga aaantgatga naaagggggc  420
tcacctanag aaggtccctc aantnctccn ccaaaa                                456
  
```

<210> 13480
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D5

 <400> 13480

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ctttccaact tctccggttc ttcaggttct ggtctctctg gaatcggcgg cgtgggtcca  120
cctccgatga tgcttcagct tggttcangc aacgaaggga atcataatca tatgggtgcc  180
attggaggag gtggacctgt aaggtttcat aatcagatgt ttccgttggg attaagtctc  240
gatcaaggga aaggacatgg ctttcttaaa cctgatgaaa ctggtaaagc tttccaagac  300
gatgttcttg ataatcgatg ttctctatg aaacctatct tccatgggca accaaatgtc  360
acagccaagc tcnancaatg ccgcatcaan aatctactaa tcggcctana gttanggcta  420
ggcaagtcaa ngtagcgatc ca                                              442
  
```

<210> 13481
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D6

 <400> 13481

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caanaacttt gttttgggct tcatccatcg ttcaaggttc gttgaaaact atgaadgaaag  120
ttgagttttt tatgctcctt ctctgcttca tcgcagcgtc atctctagtg tctgctgac  180
caccaacatg tcctgctgat ttgggaggca agtgtagtga ttctgatgac tggcaagggtg  240
atctcttccc tgaaatcccc aagattaagt atgagggacc ttcgagtaag aacncacttg  300
cttacagggtg gtataacgct gaagaanaga ttcttgggaa gaaaatgaag gattggntaa  360
gattcagtgt tgcgttttgg catacttccg tgggaactgg aggtntcaat tggtgctgcn  420
acaaagtatt                                     430
  
```

<210> 13482
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D7

 <400> 13482

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gcgaggaccg ttctgataac gggagtgagc aaaggctctgg gaagagccct agctctcgag  120
ctggccaaga ggggtcacac tgtgatagga tgcgctcgta gtcaagagaa gctcaccgct  180
cttcaatcgg agctttcttc ttcgaccaat catctcctcc tcaccgctga tgtgaaatca  240
aacagcagtg tcgaagaaat ggcacacaca attgtggaga agaaggggtgt cccagatatc  300
atagttaaca atgctggtac catcaataag aacagcaaga tttgggaagt ctctgctgaa  360
gattttgaca atgtcatgga tacaaacggt aaaggagttt caaatgtgct gcgccanttt  420
acccttttga ngcncccnnc naagnaa                                     447
  
```

<210> 13483
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E10

 <400> 13483

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acaaatatag ccgaatgaac catggnaaat tgtacaanag agaacacggt gngcaangga  120
taagatgata catggttgag gaagcagcgg taatccccac tccttganc  cganatcata  180
gtgccgcgct gcctcaacca ttgcaaacgg ccgtgataat gtaagctatc cganagagtc  240
ttcttcaacc tctgttaacg attctcctgc tgttttggca cctcgaagag cnaatcctta  300
ncaattatcc cttatccttc caagctgcaa cntatgggtt tgctcttcnc anatchataa  360
agtttggtac gctctcgact ccctctgatg cacatcctca acggaannta ncggaa      416
  
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<210> 13484
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-028-Q1-E1-E11

 <400> 13484

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tgtgtactcc ttataatcca cccattttat cgctttgttg gtaaagatat gatgactgat  180
ctaagttacc cgtaaagag taacaccgta ccaatttggc ctgtcccggt atatgcgatg  240
ctgttacctt tggtaatctt catctttatc tacttccgtc gaagagatgt ttatgatctt  300
catcacgcgg tgctaggtct cttatactct gttctggtga cagcagtact taccgatgca  360
ataaagaatg cagttggtcg accacgtcct gacttcttct ggcgttggtt tccagatggc  420
aaa                                                    423
  
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<210> 13485
 <211> 330

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E12
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 gaagtcaagg aactccgatt tcaggaatcg aaatcgtctg atggtttcag ttttgatctt 240
 agggnnngact cagttgttca agttggggcc acttcagttc acttgtgtnt cnggatgggt 300
 cnatttcttc tgnanaggan nantccnnng 330

<210> 13486
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E7
 <400> 13486
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 cagagatttt tctgggaaat ttgcgttgaa gctgctgcga atggtaacgg atcatacgcg 180
 aagaagttac tgaagaaact cataaatgaa gttgagttan agaaggtga agtattggat 240
 gaagtgtatg aagagtatgc tctttacatg ttaacttcta aggaagatat attggtgaaa 300
 gaaaacataa ggataaccaa attcatttct tttcttttcc ctgaangttc gtacaaacac 360
 ccgagttgtc caangtcgan gaaattagtt attccgctgc antgttcggt gaacatgctt 420
 gaaggagata ccgggtgttc aaactnggca 450

<210> 13487
 <211> 306
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-C2

<400> 13487

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gcatcttgag aagctgtggg tgangaacta tctacgttan gggcaagaat ccacacatgt 180
gccacagaca aaactcatct tcaacaangc ttagatacat ggcaattanc ngggtttcag 240
gttaccactt ntgtcagcca ngtnctctct cgtnatancc aagatcaagn catggnaaac 300
cgtttc 306

<210> 13488

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H4

<400> 13488

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ccaaaatatc aaaatttcag aaaaaattat gatgtngggg gtgggggggaa natgtcaaag 180
cagccacgag cttgcgaact ttgtctgaac aaacacgcag ttgggtactg tgcctccgat 240
gatgctttct tgtgccatgt ttgtgatgaa tcagtgcatt ctgcaaacca tgtagcgaca 300
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acattaacct cggtttggca cancggttt cgaagaaaag caagaactcc taaatntcng 420
tatgagaaaa agccacaaca aaaagataga tgatgagaga aagaaagga agatcctcgt 480
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<210> 13489

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H5

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 attgaaaggg agaccagctg caagattaaa ttggatgaga agttcataat tgtagtggtc 180
 aaggacagat tgatcttgag gaaaggtggt gatgctgttc acaagggtta ggaggatggt 240
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 gttggaccat cacgtgctcg aaactctgaa cctcaaaggc agcagctgcc atcacatggt 360
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 gaagagacch tggtcgtgag aatcaaaa 448

<210> 13490
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 13490
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 gactatgcat gtactccaga ggaagtccag cagcattttc aatcatgtgg gacagtgaat 180
 agggttacaa ttctgacaga taagtttggt caacctaaag gttttgcgta tgtcgaattt 240
 gtggaagtag aagctgttca aaattcgtt attttgaacg agtcagaact acatggctcg 300
 cagataaagg tatctgcaa gaggactaat gtacctggaa tgaagcaatt tcnangaaga 360
 aggcgtcccn ttagaccgat gaaggggaat catgccaaaga attcc 405

<210> 13491
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-027-Q1-E1-H9

<400> 13491
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 tccgatgaac ttcagtttgt tgtgggagaa agcggagagc ttcaagtgc tcctagttta 180
 gaggtaaaag gttctcctgg attgaagcca gatagaacct ctctttgtga gaggattcat 240
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 agttaacgcg tcaatctctg ggaaaacaaa taacattgac gtttgctttc accggaattt 360
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 ggttcagaca atgtt 435

<210> 13492
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-028-Q1-E1-A2
 <400> 13492

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 tgacaaggga acttatgtgg tcggagagga ggagacacct aaagagcttc agagagagct 180
 gatgccgaga cacgtggcag tgataatgga cggaaaccgg agatgggcta aacagaccgg 240
 attgttgacg tcacaaggct acgaggctgg agctaaacgg cttctcgagt tcgctgacct 300
 ctgcttcaaa ctagggataa atactgtctc agcttttgct ttctccactg agaattgggg 360
 aagacacaag attgaagtca aatgcttgat gtatttgctc caacgttacc tcaagtcaaa 420
 gatcaaattt tccaaaacaa gggaatccg 449

<210> 13493
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-A4
 <400> 13493

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gtggacatca tttcgacgct ttcagacttc ctgctcgtcc tgatcatttc gaanctttcc 120
 ttcaaggagg ctttgagcac cagtcgcctt tccacccgct ggagacacat atgtcgcgaa 180
 acgagaaaca tctctttcag agaggacgag atcgtgacat tcgctgatga ttccgttgct 240
 cgctattacc aaagggtgc attagttgcc tatatggttg gttgggttaa caattttacc 300
 ggggtggagtt gttgaaagct tcgagcttcg tctctctaata tcgtatgcnt ttgnagaang 360
 ggtcaccaca ctggatcgaa ttcgctgtct ccaaagaatg tcaagcatcn ttttcctgaa 420
 ctccccaaaa ccccgttggg gtttcaaaaa ang 453

<210> 13494
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-A5
 <400> 13494

atTTTTtaggg atgttatgaa tctcaactca tccgtggagt gagagacttg ggagagtgag 60
 gatgtggatg ggatttggct aatgtaatat ccgtcaatga tgtttgttgc tgacatagct 120
 tattctcttc aattcacagg ctccggaggg ttatgggtact cagcatgatc caaatcatcg 180
 gtttggcgta tcatatgatg acggatatcc tgatgaaagg ttgatgcggg atgatgtcta 240
 caactatcca cctggacata atactctggg tgacttgcct caatctanaa agcgaaacta 300
 tgaanaaaat tatcccagtg aacttcgcac gcaagaaaag ccttacatcg attcagatta 360
 tgctgctgac tattatcatg atagtgaanc tgggagtcgt aatggacatt accgtgatca 420
 tgaacacgaa anggtcntcc aaata 445

<210> 13495
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B11
 <400> 13495

agtgttgagg nccgcacnct tatcttcatg agagctgagc agtatgccaa agaatacgt 60

<210> 13496
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B3

 <400> 13496

naaagcctct cgttgctaga ggaatcaanc aatgggtgtt gtgaagtcca ccaagtcgaa 60
 tgcttacttc aagaggtacc aagtgaagtt cangagaaga agagatggaa agactgacta 120
 cagggcaagg atccgtctta tcaaccaaga cangaacaag tacaatactc ctaagtatcg 180
 ttttgttgtc cggtttacca acanagacat agtggcanag attgtatctg caatcattgc 240
 tggtgacatt gttaaagctt ctgcttacgc acatgaactg cctcagtatg gtctcactgt 300
 tggctttaca aactatgctg cagcttactg tactgggctt cctttggntc nccgtgtttt 360
 aaanatgttg ggaatgggtt gacgantatg aagggnacg ttttagggca ctggganaaa 420
 nacttttccc gttgagccca actggattca anggngac 458

<210> 13497
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B4

 <400> 13497

ntcaatgcta tgaagcgagc gangaggacg gcaggagag gatnttcttn cctctttctc 60
 ttatctactt tctcttctaa atctctaate ttttgaaacc ctaaatacang gttttgtntt 120
 tttttatcaa ctggggaaga agaaaggtgt aacctttata taaccatgga ttccggtgac 180
 gcnacatctt tgcttttgac gaaaattcga ngcttgagc cagattatgc tcctaanatt 240
 attgggtatt tgcttttaca tgattttggt gatanagact tgatgcatct ggctcgtgga 300
 cctgaancga ttttgcagtc gactatttcg aangtganga gtctcttggg gaatttctcc 360
 aacanctcgc cntcttctan gccgacntct ccttcatccg ttggancc 408

<210> 13498
 <211> 313
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B5

<400> 13498

 gaanataatc nacggcaagg cgattgctca taccatcaga tcagngatcg ccgaggaagt 60
 tcgcggtcta tctgagaaac acgгнаaggт cccatgacta gctgtagtta ttgttgгgan 120
 ccganaggat tcacagacct atgtgaatac gaagaggaaa ncgtgсgtg aggttgгgat 180
 taagtcattt gacgtgggсc taccatagga agtttctgaa gctgatntta ntagcaaagt 240
 tcatgaacna aattcaaatc cgnatgtncа nggcatanta gtttaactcc catttgcccг 300
 aaacattnta atg 313

<210> 13499
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B6

<400> 13499

 agcaccacga ccttgгgaag atccgagcac ccttgcatcc tcncanaaag aagatgcaga 60
 ttcagcacgc ttaccagcan atacatcagg ggtcaaaact gttgaagatg gaccggatga 120
 tgttgagagg gaccaaаaga angataggсg tgaggaaagg aaacctgcaa agagagagaa 180
 ggaagaaaga catgatangc gtgaaaaacг cnaaaggcat gagaagcgaa gcgctcgtga 240
 ttcagatgat agaaagaagc аcaagaaaga gaagaaggag aannaaagaa ggcатgactc 300
 tgattctgat tgaagcgaat tgtcccaagg atggaacatt ttgctcttca gaggaanaat 360
 ggtcngctaa gtaccaaаat ccaactacca nttctgcaan aattaaatcc gttgcctaat 420
 tcaatt 426

<210> 13500
 <211> 434
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B7
 <400> 13500
 tctttttctc tacacgattc gattgattca agtatcaatc aatcgaatcc gagataagtc 60
 atgagtttct tcaaatgggt ttcttttggt ttgatccttc acttgcttaa tccgactctg 120
 atttcatggt cctcnaatgg gttatctcaa ataccttcaa agtttcttac tttggctaaa 180
 aggaatgatt ttttcgattg gatgggttga atcagaanga gaatccatga gaatccagag 240
 ttaggttatg aggaagtaga gacatctaag cttgttagag cagagttgga gaagatgggt 300
 gtttcttana agtaccacgt tgctgttact ggtgttggtg ggtaagttgg nactggncat 360
 gcnccttttg gtgcnttaaa ggctganang gatgnacntg cnatgcagga aatgggggaa 420
 tggaacacac aata 434

<210> 13501
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B8
 <400> 13501
 aaaggtttct tcgatcgctg aagagattct ttggacaagt cccctccttc ctggttcaat 60
 cttcgattca gctctctttt aatttttttg gttttgggaa gctgctatgt tatttgagag 120
 gcttaccaag aaaccacctt cgcttggtga tctttgcgta aggaaagcga ttgataatgt 180
 aaagtacatt ggatatgttg gtgggggtga ttttcagctc cttgagcaga ttctgcaaca 240
 ctgtacacta gaacagctga agcacataga ggatgctact gacgacacag atcttagtcc 300
 aatcaccgat aagttttgga anggattcta taagaagcac tatggagaag angacatgaa 360
 ggatcttata gaggacctgg agtggmataa agtaaagat tcaaatggag gaacttatat 420
 gagttgaagg gtata 435

<210> 13502
 <211> 431
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-C10

<400> 13502

tctcattcct ctctcgatct tactcaattt tgcgtttctg cttttcattt tctctcaaga 60

agcgtaaagt gcgaacaatg gacctaactg ggacggatta ctcaaaggn gcctctcaca 120

ttccgatgga gcttcctctt ctagecgtat aagtgaggaa gatcgacaat ggtttgtgga 180

agctatgcaa gcacatacaa tcgattcaat ctctcgtatg aaagtaatat ctcaaatacat 240

gaagatgcct gaacaagtct tggaggctca aggagttaca cctgatgatc ttgaagggaat 300

gttggtgag ctgcaggaac acgtcgagtc gatagatttg gccaatgatc ttcactccat 360

tggaggtttg gttcctctcc ttagctatct caagaactct aatgcgaaaa ttcgagcaaa 420

gtctgccgat g 431

<210> 13503

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H2

<400> 13503

ttctggcccc gtagnngtca aaaatcacgg gtcnccacac gttcgaagca acttgagggc 60

cacatgaaat gttcanagaa gagacagagc aaaactcagg cagatccctt cttgggtctt 120

cgaacctcac caccacacac ctattgcaaa ccctaaccct aatttgagct cncgtcttc 180

ctcttcaaca acaacagctc atcttgagcc ttccctaacc aaccagagat ccaaaaccac 240

tccttttcct tctgcccggg ttgatctttt ggacagtact actagctatg gaggtttgat 300

gatggacaga gagaagaaca agagcaatgt atgtagcaga gagatnaaga aaagtgccat 360

cgatgcatgt cattcagtaa agatgtgaga taanccgttg ggatctgatg aataaagaaa 420

gaangatnaa atcanggggg ttngagcctg ggataatttg aagaatcccc aaccaaantt 480

cttgaatttg gagccttcga ctaaggctac c 511

<210> 13504

<211> 524
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F4

<400> 13504
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 acaccggtac cacaccacca cctcctcgtg ttctcagag atccctctc taacttctaa 120
 ggatatagaa aatggcagat ggtgaagaca ttcagcctct cgtctgtgac aatggnaccg 180
 ggatgggttaa ggctggattt gctggagatg atgcaccaag agctgtattc cctagcatcg 240
 ttggtcgtcc tcgacacact ggtgtcatgg ttggtatggg acaaaaagat gcttacgttg 300
 gtgatgaggc tcagtctaag agaggatatt tgacattgaa atatcctatt gagcatggta 360
 ttgttaacaa ctggggatga tatggagaag atttgggatc acactttcta caatgagctc 420
 ccgtgntgca acttgaagaa caaccctgtc cttctcactg aaggntcctc ctnaaaccn 480
 aaggggcaaat ccgttangaa aattggctnc aanattatgn ttg 524

<210> 13505
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F6

<400> 13505
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 gccaaagccac cgttttcttca ccaactgacca acacgtcacc gccacttccg aggnccgagcg 120
 ngacgaatgg gatcttttca ataccgggtc agattcctct tcaagtttca gcttttagtga 180
 ccttacaatc acatccggtc gaaccggaac taaccggcaa attcacgggtg gttctgactc 240
 cggtaaagct gcgtttcttc taccgggttaa cgtaccggac tgggtctaaga ttcttggaga 300
 cgagagtcga cgacagagga agatttcgaa tgaggaagaa gttgacggag atgaaatttt 360
 atgcggcgaa ngtacacggc nagttcaacc gcatgaaatt gcntgcgaaa ccggaaggat 420
 ggccctcgttt tcngttcang aaaggtgtgg gg 452

<210> 13506
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F7

 <400> 13506

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 aagaacaaac tttcgaagaa gacgactaat caattcatct gattatggag agagnacagg 120
 gaatcttcgg agctggtggc ggttttaggtc acgcacgcgc tgattctccg actctcgata 180
 catcggagca ggtttacatc tcttctctcg ctctcctcaa gatgcttaag cacggaagag 240
 ctggtgttcc tatggaagtc atgggattga tgcttgaga gtttgtggat gaatacactg 300
 ttagggttgt ggatgttttt gcaatgcctc aagagttggt actggtgtta ntggtttaaa 360
 gctgttgatc atgttttcca agactaatat gctcgacatg cttaaacagn ncgggaagac 420
 ctgagatggn gggttggttt ggaannatca caacntggg 460

<210> 13507
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F8

 <400> 13507

 ggccaacact ctttggtggt gagatacaaa tttggttagc tatggcatat gaggccaata 60
 atcgccacgc tgattgcatt gatctttatc agcaattaga gaagaaacat cnnagtcng 120
 gtattcgtcg tcaagcttct gagcttcggt atatcttgca agctcctaag cttaagatat 180
 ctcaggagga aatggttact attcccatga tcggttcaag ttacgacagc tatgcagtga 240
 catggagtga taaggaaagg gataaggagc ggcgaatgaa tgcacgcact acgaatcagc 300
 tcaactcgag tgatgatttt ctaggaaagc tcttggtttg gcgaccggtg gtcggtatgg 360
 agaagaaccg agtccttttg cttgctttga cactgtggtt tggtttgggt tggagcaaca 420
 atcatcttac aaaagataag tngaagacat 450

<210> 13508
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G1

 <400> 13508

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 ggccgcccctt tttttttttt tttggagtta aaatgcnatg aattccaaac cagacaacat 120
 tcaaataann canagactaa aaaggctgtt caaacagtaa taattcttgn acatgggnca 180
 ctaaaccaga acgataacag gaaacanaga tacattcagt actcattact ttgagggcac 240
 ctacggaaag caagtaanac tacaganggt agacgttcca gtgcttaatg atgaaacatc 300
 atcagtacaa gcaaacgtgt ttttcatcat acaccgtatc actttcacia gtggctgcag 360
 tcattccgca gcannaggag atttacttcn anaaacagca tcaactttgc ncannagaac 420
 aaggctacca gcatatgggg aactctcaan tgc 453

<210> 13509
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G2

 <400> 13509

 gggnnnnnnn aatgttttcc tgcnccttac cggtcnaaaa ctgcgcnngc caccacgct 60
 ctccgnaaac cntggggaca gaancagctc atgttcaggg tccagtaact acccaaggaa 120
 ctgttattat tgatgaagag agtgatgatg atattccttt tgcaccaatg ggacgaagtn 180
 ggcaagnngn acctgctggt tctgtagcca ataataataa tcaagattac aatgatatag 240
 aagaagaaat gatcagagct gccattgaga cctcaaagaa agaggctgag ggatcaagta 300
 accctttact tgaagagagg ccacttcaca tggaagatga tgatgacata gcaatagctg 360
 ttacaatgtc attgaagtca gcggaggaag aagttttgcg cagtcaaggg tataangcct 420
 caacctccgg aaatangagc ntccgcaatg actgctgctc aaaggntca aggataccca 480

agnccctgaa cnggaaaatt ggcancacct aattcacctat tt

522

<210> 13510

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-G4

<400> 13510

cgcnaancg tccgggatgg atcatctgat atttcttttg ttagttacaa ctatgtattt 60

tgggataaat gaagcttgca aaaaaaatca tgtagtaatt cataacgaaa tcggctcttg 120

gattgngggc aacattgcat gccggcaatt cagcccaaaa cgcacacctt caatgtttca 180

caccctaaan tacaagatc cttttttacat cattgagttc gcggacaaca atcanctacc 240

tcacggtgag aaatggtatt gtctgattag tcacggaaca agaccaaatt attggtttga 300

tattgaagta tatcgtcaag gctattatcc tcgatgtggt cagctacgct catggattgc 360

tanaaaggat gggatttggt ttacaagana attcataatc caccanggca cgtacttgat 420

tggaaaatcc agtaatggtc ctctngcntt aatcnc 456

<210> 13511

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-G5

<400> 13511

ccgtcgtttt tgcaaggcag atggcgaagc agattcgtgt tacgacgccg tcgatgtccg 60

caacacgctt tctctcaacg ggcgacaatg gtcaagtaga cgagcagcag aaccctccag 120

agcccttacc caacagaccc ttgcgagggg agagatcttc caactctcac agagaaccac 180

ccgctagaca agcccacaac cttggaaaga gtgatactac tctgtctgac gatggcttcc 240

tcgaacagtt caagcttgga gtcaatcagg attcacggga aacccccaaa ccggaacaat 300

acccgcanga gcccttaccg ccgcctgagg attccgatga gatcttcaag aagatgaagg 360

aaggaggtct catccctaac gccgtcgcca tgcntgacgg ctctgcaaag atnggcntgt 420

6562

acaagaagcc atgaagcntt tcggatt

447

<210> 13512
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G6

<400> 13512

gngngnnnnn nnnanaactt ttgcggcnn cacggtccgg aaaaactccg gtngncccca 60
cacgcgtccg ggaattcttt cagccgccgt cccaattgct ttgccgccac cgaagcaaag 120
agtagagaga taatggctga ggaagaagct aagggtttgg attacatacc ggagatagta 180
ctgangaaga ggnngaacag agatgagctt gcctttatca ggaagaagca acttgagtgt 240
ggtaattccg gcaagaagaa gaagaaagtc tctgatatca aacgtcctga agattttgtt 300
catgagttca gggctaagga agtagatatg atccggatga agcaaagagt aaagaggcca 360
aagtcattct ctcaccagt taaatctgac ctggttttca tcatacgcat tcaaggcaag 420
aatgatatgc acccaaagac caagaggatt cttaacaatt tgcaactaaa gagcgtcttt 480
actggtgtat ttgctaaaag caactgacag tttgttcaa aagct 525

<210> 13513
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G8

<400> 13513

gatcanaatt caancagggg aagaaatcan gatgcacttt atgcagcctg tnggtacagn 60
gcttgtcgcc aagaggacan cccacgagct attaanggta natttcaaag atttctcatt 120
tganagagtc ttgttacctc ttgatatan cttgacataa gtcaatcaaa ctctgtgaanc 180
ttgtgaatag aaatatgcgt tattgccaat ggggcgacaa anaaggaaat tggccgagca 240
aaagactaca ttgttaagac attgggactg gagcctggtc antctgtgga tttangaact 300
atacacgctg ngtgatttca tganaa 326

<210> 13514
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G9

 <400> 13514

 aaaaanaaaa tcaaaacaga agcgagcgaa gaggacggag ggagaggatc ttcttccttc 60
 ttctctttat ctactttctc ttctaaatct ctaatctttt gaaaccctaa atcagagttt 120
 ngtttttttt tatcaactgg ggaagaagaa aggtgtaacc tttatataac catggattcc 180
 ggtgacgcga catctttgct tttgacgaaa attcgaagct tggagccaga ttatgctcct 240
 aagattattg ggtatttgct tttacatgat tttggtgata gagacttgat gcatctggct 300
 cgtggacctg aatcgatttt gcagtcgact atttcgaaag tgaagagtct cttggggatt 360
 ttctccaaca actcgcttc ttctactccg acgtctcctt ctcccgttga atcctantg 420
 gtcgtcctcc tctta 435

<210> 13515
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-H1

 <400> 13515

 ctctcgttgc tagaggaatc aaacaatggt gtttgtgaag tccaccaagt cgaatgctta 60
 cttcaagagg taccaagtga agttcaggag aagaagagat ggaaagactg antacagggc 120
 aaggatccgt cttatcaacc aagacaagaa caagtacaat actcctaagt atcgttttgt 180
 tgtccggttt accaacaag acatagtggc acagattgta tctgcaagca ttgctggtga 240
 cattgttaaa gcttctgctt acgcacatga actgcctcag tatggtctca ctgttggtct 300
 taaaactat gctgcagctt actgtactgg cttcttttg gctcgccgtg ttttaaagat 360
 gttggaaatg gatgacgagt atganggaaa cttgaggcac tggagaagac tttccgttga 420
 ccaactgant caaggagacc ttccg 445

<210> 13516
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-H11

 <400> 13516

 gcgcgatact agcgttggcc aataacaaag tggcagtggg gaaatactct ctattggggt 60
 caattctctc aaaccttctc ttggttcttg gcanttcctt cttcttttgg ggtatcgcca 120
 atatccgccg cgagcagcgg ttcgaccgga aacaagccga tgtgaacttc ttcttgctgc 180
 ttatgggcct gttgtgtcat ttgctgccat tattgttaaa atatgcagca accggcgaag 240
 tatcgacctc tatgattaac aaaatgtcgc tcaactctgc gcggacaagc agcatagtta 300
 tgcttattgc ttacattgct tatctcatct tccagctctg gactcaacgc caattgtttg 360
 aggcacaca ggatgatgat gatgcatatg atgatgangt tagtgttgaa naaa 414

<210> 13517
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F3

 <400> 13517

 agattgagag agagcgaana anaaaaaaaa aaagagagag cggagagaag aaaaaaaacc 60
 ctagcgtggt gttcagtgac tttgggggga aaatttctcg tantttcttc gctangtccg 120
 tngtctcatc tctttccatt tgtggaattc aatggaagct ttaggttttt ggtgctgaga 180
 attctctggt ttcgaatcta gggttttagt aggagatcta ttcaattgta gatacgcaag 240
 atcgaaacga gtcanaaaac taggagaang agtcatgtcg gattctgata aagagctcga 300
 gaatcagatt attgaagctg gggaaaagct tattgaccgg ctttcttcac tcgatgaact 360
 tctctctttc ctttgacaaa actttcntaa ccctggccgg aagttaaca atcacctccc 420
 cgactcaatt gcanaatgcc actcactccc antgannga 459

<210> 13518

<211> 59
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-B9

<400> 13518

tacaanttgg tttaagaatt cacgttgatc cctgagattg ttnacacatt cagctatnt 59

<210> 13519
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C10

<400> 13519

ngaattggtct ncctggtgtn tacggcccgg atatcccga ntcgaccac gcgtccgccc 60
 aagcgtccgc ccacgcgtcc ggttgtggag ccgtataaca gtgttctctc gactcattct 120
 cttctcganc acacagatgt tgttgttctt ttggacaatg aagccatata cgatatctgc 180
 aggggatctt tanacattga naggcctana tactccaatt tgaaccgctt gatctcncaa 240
 nncatctctt cgcttacaac ttctctaaga ttgacggtg ccatcaatgt ggacatcacc 300
 gngttccaga ccaaccttgt accttaccct cggatccatt tcatgctctc ctcttatgca 360
 cctgtgattt catctgcann ggcctaccat gagcagtttt cggtcctga gatnacgant 420
 ttctgtcttg gaccctcnna tatgatggnt aaatgtgacc ctaggnatgg nangtaatgg 480
 cttgcngttt ga 492

<210> 13520
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C11

<400> 13520

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 cgcgtccgct tnagtctctc ttcagttcct gaccaacacc tttatctcca aacctcaggg 120

tttctgcaac ggaattgtgt cagcaccaag acccagaagc aatttattaa gagacagaca 180
 aaatggtgta cganccatca aagttgcgtc tattgagaca caacctttcc ctctgtttca 240
 atctctgtct tccgaagaat ctctctcgtc cgagctggag acagcagatc cggatttcta 300
 caaaattggc tatgttcgaa gtgtgagagc ttatggagtt gagtttaaag aaggtccaga 360
 tggtttttgg gtctatgctt ctaaggatat cgaacctcgc cgtcgagcta gagtgattan 420
 ggnagattcc nccttggaac tgatgatann cattagacag aagcaccttg gntgttttcc 480
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<210> 13521
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C3
 <400> 13521

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 cgggagttga anccacacaa agaacagaaa ataagaaaga taataaaagg aggcaaacac 120
 gaagagctca caacaagatt caagattcaa gattcatgct ttcagatttc aactaatcan 180
 gtaaangacc actttacctg caaaatgacg agatcgtggg tgcttttgtt tgttcttatg 240
 ttcattgtgt tgactttctca gtttgagtgg aatgaacaag ttgagaatga aagtgagact 300
 agtagtcgtc ctctgattct ttcagataaa gagcaacaac atatccctca aggcaaagaa 360
 tctgtacaag taaagaaaat tctatttcaa gaaaagaaaa ttcagaagtt aaacgagctg 420
 gtcccagat ctaaggangc agttgctaca atgcagaaat gaaaatcang ttgagtttac 480
 ngagctagaa accgagcttg atnaacctgc tggg 514

<210> 13522
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C4
 <400> 13522

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 ggtanaccgg agactcagat ctgcaacttg agcgcacaa cgtttactac aatgaagcga 180
 gttgcggtag attcgttctt cgtgcagtgc tcatggattt ggagcctggg actatggata 240
 gtctcagatc tggaccgtac ggtcagacct ttcgacctga taacttcgtc tttggccaat 300
 ccggtgctgg taacaactgg gccaaaggac actacacgga aggagctgaa ctaatcgatt 360
 ccgttctcga tgttggtcgt aaggaagctg anaactgtga actgtctcaa ggggtccaag 420
 tttgtcactc gtttgggaag aaggaa 446

<210> 13523
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C5
 <400> 13523

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 ccacgcgtcc gagaatacac gactccttga aaggctccct gaacttgtct gcagacgtgg 120
 ctctgtatttt cagaaaaatc catctacaga caagctaaca atcatccctg agcttgattg 180
 gaaatatttc tgtgacgagt ggggagggct catggagaat ggaatatctg cttttattga 240
 ggttggcaat acagacccaa gttcatcccc agacgtcatt gaccttgaga aggattcttc 300
 tccggatgat aatatggacg ttgatgctca acagcttatt cttagggcat cccagagat 360
 ttgcgaggaa tgcataaggag agagagaaag ctgtgagttg atgcagaaac ttagttactc 420
 tgaggagat gtatttgtct gttttgtgct tggaaaggaa gctccaaaag caatgttaga 480
 ggcatctgac tctagctttt gaggtggatc ggct 514

<210> 13524
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C6

<400> 13524

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acggcaaaca acaaatttca tagagaagca naaatggcga aatcactcct ttgttcatca 120
accttaaacc ctttcttctc caccactctc tcctcttcga agaagaacca aattgcatac 180
tngggngggc agcaagaacc anacatcgtc gtctctgtta tggaaaagaa gggaactgtc 240
gcttggatth atgancagct tagttgcgat tggctctgtg agtaatgaca gaagaagaca 300
cgacgcgaat gcagcgattc ttgaagctga tgacgatgaa nagcttctcg anaaagtgaa 360
gcaaggatcg gaaaaagagg attgacagac atgctgtncn taattctgct gtcaangaaa 420
aggggtatth gcaggatctt gtttncaggt tgagcaaggt angacatgcc attgaganca 480
atgatcncca ctcangtttg gttttgggg 509

<210> 13525

<211> 517

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-C7

<400> 13525

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ccacgcgtcc gctnttaaga ccaaattctc ctctacctct atctctctct ccgccattac 120
cagagctcaa cgagctctca ctttctttac gcacacttgt tggaacgaaa tatattcata 180
gngaaganga atctcgaaac tcttgaatct aaaacaactc ggagactctg ttttcccttt 240
ccggagatca gatcggatca agatgcagac aaccaacggc tcagattcga cgttggcaac 300
ttccggagcc acaccgccga atcaacaaac cctcctcca cctcagcagt ggcagcagca 360
gcaacagcaa cagcaacagt ggatggctgc catgcaatat ccaccaagcg gcggcgatga 420
tgatgatgca gcagcaacag atgctgatgt atctcatca atatgttccg tataatcaag 480
gnccttatca gcagcatcat cctcaagctt caacaat 517

<210> 13526

<211> 515

<212> DNA

<211> 126
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-D5

 <400> 13528

 aangnggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa anaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 gggggg 126

<210> 13529
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-026-Q1-E1-E1

 <400> 13529

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 cttcaaagct ccggagagag cgaagatgac caagctcagt cgctcgtctcc gtatatcatg 120
 cgctcgcgcag aacgcagagc caggctcgca ttccgggtgag agtaacgggt cggatcgttt 180
 tcgtgggtgg gctgattcgg gagacgatga gaacaattct cgcggtggcg attggtttaa 240
 aggaaccttg ttatctggag ttgctggaat ggttttgttc gttgggctaa cttacgcagc 300
 tttatcttcc aaacgcaatg tcttaagacc aaaagtagaa gtgatgggtga ccacagttac 360
 taaaagttca attgatcaaa tcagcacgga tgagaatgaa gggaatattg tgactagtca 420
 agataacaag gaaagctata gaaa 444

<210> 13530
 <211> 541
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-E11

 <400> 13530

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ccacgngncc cgcttttaaat ctcncttgat tccaatccat tcttcttcaa gtgccggggt 120
 ctccgggtcgg atctttctaag tctagctagg gataatgggt actgtcacta ctcatgcctc 180
 ggcctcgatt ttccgngggt gtantttcaa gccaaagatt ctcaccgggt cttccggtag 240
 gttgaaccgc gacttgctgt ttacatcgat cggttcatcg gccaaaacgt cgtcggttcan 300
 ggttgatgct aagaaaggag aatgggttgc cggtttgga tgcctgatt atctcaccgg 360
 cagtcttgcc ggtgacaatg gggttgacct gttgggtcta gcagaggatt cngngaactt 420
 gaaatggttc ctccaggcca gagctgggtc ancgngcna tgggctatgc tccgtgttnc 480
 ttgggatgct ttttgcccg aagtttcccc anggattggg natchnnaaa tgtttctgt 540
 g 541

<210> 13531
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-E12

<400> 13531
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 aactatggcg acgangagaa gcgttggaaac tttgaaggaa gcggatctga agggaaagag 180
 tgtgttcgtg aggggttgatc tcancgttcc tttggatgat aactctaaca tcaccgatga 240
 caccaggatt cgtgccgctg ttcccacat cangtacttg atgggtaatg gntctagggt 300
 ttgttctctg cagtcacttg ggccgccccaa aaggngttnc ccctaagttc agnttnaang 360
 cctcctgtgg ccaggnttgn c 381

<210> 13532
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-B8

<400> 13532

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 cgcgtnccgt caaggattct gattgataac gatattcaag ttcagcaatc tcattgcagt 120
 agaaaatgga atcgaatcat cctcacttca agctaatttt gggatcttct tcgattgctc 180
 gacgtnngat actaacagat atgggatacc aattcactct catgagtgtc gatattgatg 240
 agaaaagcat ccgcaaggag aaacctgaag agttggtttt ggcttttagct gaggcaaagg 300
 ctgaagcaat catgcagcgg atccctgatg gtgaaaacat agaggaggat aagtcgacct 360
 tacttattac ttgtgaccaa gtggttgtct atgaagatgc tgtagagag aaaccctcga 420
 gtgtcgaaga agcaaggagg tacataagan gctattccaa ggggcataca gcaacagtga 480
 gttctgttgg ctgtgacaaa tctcaaaaca ggna 514

<210> 13533
 <211> 334
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-H8

<400> 13533
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 gangcaatac tccaangana tatgccnaga aggagaanga gttgatctcg ttgaaacgcg 120
 aggccaanct taaaggagggt ttctatgttg accctgaagc taaactcttg ttcacatcc 180
 gtatccgtgg gatcaatgcc attgacccta agactaagaa gattctccag ctccttgctg 240
 ttgagacaga ttttcaaagg gtgttttcct taaagtcaac aaggntacca tgaacatgct 300
 tcnccgtgtt tgnagcccna nntcacttac gggg 334

<210> 13534
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-A1

<400> 13534
 nnnnnnngna actggtctgc ctngcncgta ncgcgtccga naatcccggg tcgccccacg 60

<223> Clone ID: LIB25-026-Q1-E1-A2

<400> 13536

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gaatatgcat tgtaaacact tgaacattgg cctgatgctc cagaaattca acgatcagtt 120
gatttatatg aagatctgat tagatgctgt gttgcagatg ctatgagtga ggtgcgggca 180
actgctagaa tgtgctacag aatgtttgca aaaacttggc cggatcgttc tcgccggttg 240
ttttcgctct ttgacctgt cattcaaagg ctaataaatg aagaagatgg tggaattcat 300
aggagacacg cctcaccatc tgtccgtgag agacattccc agccttcatt ttctcagacg 360
tctgctcctt ctaacctacc tggctatgga acatcagcta tantcgctat ggatagaagt 420
tcaaanttta tcatccng 438

<210> 13537

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-A3

<400> 13537

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gcaagcagcg gcgcagaagt tgaacacaag tgaagctcac aatggcgagg attaaggttc 120
acgaattgag ggagaagtcg aagagcgatc ttcaaaacca gctgaaggaa ctcaangctg 180
agctcgctct cctccgtgtc gctaaagtca ccggagggtgc tccaaacaag ctctctaaaa 240
tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 300
ctgctctaag agaagcatac aagaacaaga agttgcttcc tcttgatctc cgtccaaga 360
agaccgtgc tattcgtaga cgctcacca aacaccaagc ctcgttgaag acagagcgtg 420
agaagaagaa ggagatgtat ttcccaataa ngaagtacgc tatcaaagtt taaagtttta 480
gctgctanaa aactgtttc aagct 505

<210> 13538

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A4

<400> 13538

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gtttgatagt ttttcgaaaa cccttcaa at tgtttcattt tttttaagtc ttgagacttt    120
aaaaaatcct cgcttgctct tgtttttaggt ctctgacaa ggaaaaattt ggaaacttgt    180
gggagttgat tgataagagt tgttaagatg gcaaatgatg cggctgcatg tgcagaaagg    240
gctacaaatg atatgctgat tgggtccagat tgggctatta acattgaatt gtgtgatctt    300
atcaacatgg atcctagtca agcaaaagaa gctgtgaagg tgctcaagaa gcggttagga    360
agtaaaaact ctaaagtcca gattcctgca ctttatgcat tgggaaactt aaagtaaaga    420
attgtggcga aaacgtgtac aanct                                           445
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<210> 13539
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A6

<400> 13539

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tgtgtctgag ctggaactta aagaaaaaga atctcaccat gtcttttagct cngagcagtt    120
atccatctct gtattcttcg ccttcaactgc caagaacca gcaaaccaag caaaacccta    180
gtttgatcac tcaatccagt ttcatttccg ccaaaagtct cttcctttcg agcaattcgg    240
cttctttatg caatacccat gttgccaaac gccggaattt agctttgaag gcgtcggaga    300
cagagtcttc agctaaagct gaagcaggag gagacggaga agaagaagag aagtatgaaa    360
catatgaaat tgaaagtgga gcagccttat ggtttgaaat tcangaaagg aagagatggg    420
ggcacttaca ttg                                                         433
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<210> 13540
<211> 111
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A8

<400> 13540

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ctgatatgan aggtttcgtc atagcttgtc ttctanggta ngtttcctca c 111

<210> 13541
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B1

<400> 13541

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ttaacatttt gaaacaaatg gcggtccaaag ccatcttctt cttctttgtc tctgccgtgt 120
gcctgtcctc tctcgccggt gtggccatcg ctgatgccga tgactttgac cgtttccaaa 180
ttcagggatc ggtttattgt gacacatgcc gtgtccaatt cgttaccctg ctcagcaagt 240
tccttgaagg cgcgaaagtg aagctagaat gcaggagcag aacaaacgga accgtaacat 300
tgacaaaaga agccgtaacg gacaaaacag gggagctaca gaatggaaat tancggtgan 360
catgaaggan gaaattttgc caagcntgtg ctcgtccaat caccagacag tngttgcant 420
gacgttanca aagangctta c 441

<210> 13542
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B11

<400> 13542

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cgcgatttca gcaaaatcaa atcggtattca gtgatcaaaa gtcaattttgg tcgagaagaa 120
attgagcgtt gaagatgacg gaggcgatga taagaaataa gccaggaatg gcgagtgtga 180

aggatatgcc gctgcttcag gatgggtccgc caccgggtgg gttcgcaccg gtccgatatg 240
cccgcggat atccaatacg ggtcctagtg caatggccat gttccttgcc gtttctggtg 300
cctttgcttg gggaaatgtac caggtcggcc agggaaacaa aatccgcagg gcattgaagg 360
aagagaaata tgctgctcgt aaacaatact tcccattctt caagcagaag aagatgaaag 420
gtttgtgtct gaattggaaa aagtntcctg gaatatgang ctggatgta ntgaaangat 480
nttccggga tggaanttt ggccaaaatg ttttcaantc cnggnncncc ggna 534

<210> 13543
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-026-Q1-E1-B3
<400> 13543

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ttttatcgaa gaaactcttc aatatcacga atgttgcttc acagagtctt atgaattgtc 120
gcatttcgtc ttcttcgtta gccgtacgaa ccagagttcc gaatgattca acagatacaa 180
ccaaaatcgc accggagcct ggagatttgg cgatgtcgcg aaggttcatg cataacagtg 240
ctatgattag gccggcggag attatgcaga tgccgggtggg agagagtttg attgagaaac 300
tccgtgagat tgatggaagc aaggatcgga ttcgattaga cggactttct ccgccggaga 360
aggagacgag tttgacggtg gcggatacga agaaactgct tagagcgggg caaatcgaga 420
ttgtgaatcc aaac 434

<210> 13544
<211> 508
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B5
<400> 13544

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cgnccggaaa atatcacagc aaaaattttc tcgagaaaat ccgaagaaga caaaaaaat 120
ggcggatcag ctaaccgatg accagatctc cgagttcaag gaagctttta gcctattcga 180

canagacgga gatggttgta tcaccacaaa ggagcttggg actgtgatga gatcacttgg 240
gcagaacccg acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa 300
cgggacaata gatttcccag agttcctgaa cctaattggca cgtaagatga aagacactga 360
ttcagaggaa gagcttaagg aagccttcag ggtttttgac aaggaccaga acggtttcat 420
ctcggcggct gagcttcgtc acgtgatgac aaatcttggg gagaagttga cggatganga 480
atcgatgaga tgatccgaga ngctgact 508

<210> 13545
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B6

<400> 13545
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ccacgcgtnc gatacaatgc aacgaatgtt gatgaaagca agccagatcc aaaacttgag 120
tgcttcaaaa actgttccat aagttgtggc aaacaaaacc aaccttgta cgaagtttgt 180
ttgacgaaat gtggtctccc aaaacgtcct tctacatcaa caccatcatc ttcctccacc 240
acggcgtaat aagtttccat ttgtgtgaaa ttgtgtgtct tttggtttat acgaagtttt 300
aatcttaata ttgatgtgcc aacaatgccg tgcccaggct tataagggt taagacgaag 360
ttgaattttg gagtctttcc aatataattt ttatttaaat aaaaaaaaaa aaaaagggcg 420
g 421

<210> 13546
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B7

<400> 13546
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tctacctctt cttcgccgga acatcacctc gacgacggct tcgaaatcat ctccaatgct 180
cgccaacgnt tcgagccggc attctctcgg gatctctacg tatgatgaat ttttgaagca 240
aataaaaaact ccggcaactg tgaaccaccg gcggcgagta agtacgggtg tggcgtcggc 300
gggaaacttg acggcgccgt cgtgggattc gtggaagcct gataagacgg cggcggtac 360
ggctcttttg ctgagtgcg tcatatggcc tgctgctgga gcgtttgcgg caatggcatt 420
attgggaaga atggatnaaa tgctatctcc gaaaggattt caatgtcagt tgcaccactt 480
ggcgcantct cccgccattc ttttcac 508

<210> 13547
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H6
<400> 13547

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ctaaattggg ttctcttcat ggntgattcn tctctcattc cagngggcat gggagctcag 180
aagaatatcc acgctggng agccaanatt gatgttaatg tggacttcac tcacaaactt 240
tgtacttct taatgtttcc tgctttcaag gacactagca atcctctttc tctagtatt 300
ggcancctct gtatcaaaca tccaaatttg tttggaggaa gcgagaagct tgatgtatca 360
tgggataaag gattgtatga ttccaatgta cttgtggctt ttangagacc tagacctgaa 420
tggcgctccac aacagtgttt cttcatacag cattctctct caaccgagat aaggggtcca 480
cggnaaccca at 492

<210> 13548
<211> 72
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E3
<400> 13548

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 ngatgcagtg gt 72

<210> 13549
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-E7
 <400> 13549

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 aagaaggaat cttgaaatgg gaaaccatta ttactcggat cacaaacaca atggtatcgn 180
 gcacatcaac ctctgcttct tccagtgaag agtctagtgt tgggaaagaa agtgagactt 240
 ccgctaaaagg tgaaagtgag acttccgcta agaataaaag taagacttcc gctaaaggcg 300
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 ccgctaaaag ggtgaaagtg anactttccg ctaaagggtg aaaagttgag acttcntcc 420
 tttnaaaaaa ctgccgaaag cctaggtcna gaagcannca gtttaacnag ttgaccacaa 480
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<210> 13550
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 <400> 13550

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 <223> unsure at all n locations
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<210> 13552
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 <212> DNA
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 <400> 13552

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<210> 13553
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 13554
 <211> 168
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13554

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<210> 13555
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13555

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 aagacgagga aaaacaaaga cacaactcta accttttagag agagaaaaac aaatgtcgtt 180
 ccgtagcata gttcgtgatg tgagagatag tataggaagt ctatcgaggc gtagtttcga 240
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 tcatgaggaa caacttgtag taacgattca agaaacaccg tgggcgaatc tacctccag 360
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<210> 13556
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-025-Q1-E1-G11

 <400> 13556

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 gatgaagtgc ttggtcgtaa ctgtcgattc ctacagtaca gagatcctcg agtcaaagg 300
 cgtcacccat tggttgatcc tgtggttgta tctgagatta ggagatgtct tgaagaaggt 360
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<210> 13557
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
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 ggaaggaaga agaagaagaa gattctcgct ctctctcaa cagctagctc tcctcttact 180
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<210> 13558
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 gattcggant ctcccttctt tcgtcactct cattcattct cgctgtatc aggcgtacac 180
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<210> 13559
 <211> 315
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G4

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 ttactacaa aaccntttgc ttgtgatccc tcaagcttgc caatataccc acctagcaag 180
 gagatagata caaagcatcg ggacgaagca gcaaggaaaa aaattancgg gaatgggaga 240
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 <211> 185
 <212> DNA
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 ctgtcacaag actttcgagt gcaagaaact tcccatcagt ntaangtttg acttcatatt 180
 gaact 185

<210> 13561
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
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gttaaacgaa tcgcaaagat ggctcctgga attggtggat ttggtggtct ctttccatta 360
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<210> 13562
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-H11
 <400> 13562

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 ctcatatact ccagtgacg tcatcaaccg tatctccctt ccttcgttcc ccgggattca 180
 gccaatcgtc gcacgtagaa tctgcccttt tactgggaag aaagcaaaca gagcaaacia 240
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 agtttgggtg gaagctggca aacgttttgt caaacttcgt ttatcaacta aggnnttgaa 360
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 <211> 325
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13563

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 tgcagctaatt actcaccaac aaaccangac tgntatacgt tgacccatca aagctttag 180
 taaaagggaa tattatctgg tctgataact ccaacgacct caacgttcaa gtctcaagtc 240
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325

<210> 13564
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13564

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 gtcggccaac aatcttcact cagcaattct gtcagatgga ttcagatgca gagctctacc 180
 gacctggacc tgaagtcgca gctgcaagag ttaattccgg aacagcagga ccgtctgaag 240
 aaactgaagt cagaacatgg gaaggtccaa ctgggaaaca tcaactgttg tatgggttatt 300
 ggtggaatga gagggatgac tgggattgct ttgggaaacc tcattgcttg anccggaaga 360
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<210> 13565
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13565

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 aaagaaaaaa aaaaaaana aaaaaaagg gcggccgctc tagaggatcn aagcttacnt 180
 acgcgtgcat gcnacgtcan anctcttcta tagtgtcacc taaattcaat tcaactggccg 240
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 cacatcccc tttcgccaac tggngtaata ncgaacangc ccgcaccgtt ggcccttccc 360
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<210> 13566
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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anttctntga caaggaagga tatcccttta ggtggattct tgtttaaatt taaanatnct  180
caaggagaag aagaagaaga agaagatagt caaatganan tacattcttc tgatcattca  240
nggcttttac tagccgttct cgtgattctc ctctccttct ctggagctct ctcaagcgat  300
nacaaagaga agaagacgaa atcggtcgat aaaaagaaag aagtaactta tgatggaacg  360
tctttgatca tcaatggaaa tagagaactc ctttactctg gctccataca ttaccctcgt  420
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465

<210> 13568

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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gcaaacgaat ccttgccaga tccttgtggc tacacctgga aggtcaaag accatattga 240

aaacacttct ggattcgcaa caagattgat ggggtgtgaaa gtccttgtgc ttgacgaaag 300

ctgatcatct cttggacatg ggtttccgaa gggacattga gaagataaat gcccgctgtt 360

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<210> 13569

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D7

<400> 13569

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gcgtctacgc tccggccacc ggtgatttct tcgcttgcaa aaccatcgac aaagcctctc 180

tctccgacga ccttgaccgt gcctgtctcg acaacgagcc taagctcatg gctctcttgt 240

cctatcacc taacatcggt caaatccatg atctcatccg aactgattc gactctctcc 300

atcttcatgg agctcgtcca tccctctgtt tcgatntacg aacgtctcgt ctcttctgga 360

aacctccttt gagcctcaga cggngtcgtt cgntaaacag atttccaag cgcttcgcaa 420

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D8

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ttcnttggtg acctcgggna ctgggntctg cgaaggaata tggtgtacan acgggcttan 360

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<210> 13571

<211> 430

<212> DNA

<213> Arabidopsis thaliana

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<400> 13571

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430

<210> 13572
 <211> 554
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 13573
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-E3
 <400> 13573

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<210> 13574
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 <212> DNA
 <213> Arabidopsis thaliana
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<210> 13575
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 <213> Arabidopsis thaliana
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 gaagtaggat tagagatgag gagagattat tagggagcga tctatcgcta gcaatgatga 180
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 tggcagcatc atcaggattc tctcctcaac cttccctta ccgcattccc tcgcaccttc 300

cactttctcct cgtccttgat tcatcatcat caacatcaac tatcatcaca atcancatct 360
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<210> 13576
<211> 448
<212> DNA
<213> Arabidopsis thaliana
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<400> 13576

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gaagatcaaa agagaagcag atgcttggcc tcatcaaag gctggaatta gaagaccaat 180
gtcgggtcct cccggaaccc tcaataccat tacgccttgt gctgcctgca agctttttgcg 240
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gttcgcttcc gtccacaaaa gtcttggagc tagtaacgct tccaagatgc taatggaagt 360
acctgagagc caagagagca gatgccgcga aaaacccttg tgtatgaagc aaacgtgang 420
ctaagagatc cgggtgtacgg atgcatgg 448

<210> 13577
<211> 53
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13577

caggccacct aaggagacga tnetgctcga tgggttgcgat ttgcgcacn ggc 53

<210> 13578
<211> 539
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F1

<400> 13578

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tcgncccacg cgtccgcccc cgcgtccgaa aatggttcat gtgtcatcat ctcatggagc 120
caaagatggc tctgaagaag cctatgatta cagaggaaac ccaccagata agtctaaaac 180
cgggtggatgg ttaggcgccc gtttaatttt agggagcgag ctatcagaga gaatatgcgt 240
gatgggcata tcaatgaatc tagtgacgta ccttggttga gatttacaca tctcatcagc 300
taaatacagc accatagtca ccaacttcat gggaactctt aaccttctag gggcttctcg 360
gtggtttttt ggctgacgct aaactcggtc gctacaagat gggtgcaatc tcagcttctg 420
tcacagctct gggaatgttg cttttgacgg tggctacaac tatctcaaag catgagacca 480
ncaatatgtg acgatttcan gagacttcat catcagttca tagaaacaaa cggncacag 539

<210> 13579

<211> 524

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D1

<400> 13579

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tttggtggta gaaaacagac tttgatggct ttgtaggaat actagatgtg tagatctaaa 180
gattataacc attttctgtg ttcttgttct ttcagaacat aacttcatgt ctttttgtct 240
ctctgttcac tagctctctg tttccatgga ctccacacta tcttcttctt acagatttat 300
ttcatacaca tacactgata cacatgtgtg tatacgtatg tgtttatgtg tgcttattan 360
actctttttg gattcaagaa actaatcttt aagtattttt gacattctgg tagatttatg 420
ctcacttctt angccttggt gacttttaca gtgatggatt ttgaaactcc tggttgattt 480
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<210> 13580

<211> 420

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-B12
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 ttgcagagac gccgacttac tctgttgctt cgggtgttac tgttttgggc tttgtttgct 180
 ttctcgttga acgcgccatt tacagatttg gaaagtgggt aaagaagact agaagaaagg 240
 cactttttac ttcacttgag aaaatgaaag aggagttgat gttgctggga cttatatcac 300
 ttctgttgtc acaaagcgcg agatggattt cagaaatctg tgtaactct tccctttcaa 360
 tagtaaattc tacatttgct ctgaagagga ctatggaatc cataagaaag ttcttctgga 420

<210> 13581
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-B2
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 agaactagta tcaagaacta gcgacattgc tgtttcnaaa aagctttgtg aggaccctca 180
 cgacattgat tgtcatgtac atgacatcca tgtagtgact gatgaagata acaaggggca 240
 actgaatggt ccctcngacc atgccactcn ggatctgaaa ctggacagat nacaangtgt 300
 ttcacnatac aagttatgca tttccacaaa gggaaaagtt acatgtctac caataatgcc 360
 anagaaaatt caaatgtcaa nccattggcc tatgnaaaga ccnggaaaat nnaagagtgg 420
 aaatttggtt tccngaaaan gtcnggttta aaaanctgtn ccaaaagggg aaaaanagaa 480
 aattcanttt tttcccccaa aagatnt 507

<210> 13582
 <211> 467
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-B4

<400> 13582

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tcagctcaag cagctgaaga ataacgatca agaaccacaaa aagaagaaaa cgaatctgtt 180
cttagctttg atggggttctt gcttcagttc tcgagtcaaa gcagacatct tccacaatgg 240
taagagcagc gatctttatg gtctaagtct ctcaagtcgg aaatcgtcnt cgactgtagc 300
ggcgggtcan aagacggaag gggagatatt gaagttcgac ccctgtcaaa agcttcacct 360
ttaacgaact caaaaactcg cacaagaaaa cttcagacca gatagtgtga tngggngaaa 420
ggtgggcttt gggttgtgtc nttaaaaggc tgggtagatg aagccaa 467
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<210> 13583

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-B5

<400> 13583

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tagacattag acccggttta gaatcagtg cggttaactc ggtcttcgag cttcntcgcc 180
tcttagctca tcccggttcc atcgataagt ttttatcgac aatcaaatca atccgaccgg 240
atataatgac tgtggtcgag caagaagcaa accataacgg taccgtattt ctcgatcggt 300
tcacggaatc gctacattac tattcgagct tattcgactc gctcgagggc ccgccaagcc 360
aagaccgagt gatgtcggan ttattccnan gacggcagat actaaacctt gtggcatgcg 420
angganaaga ccgggttana naggcattga gacttaaadc agtggagaaa acggtcgggt 480
taggangant taaccgggta ngnancgg 508
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<210> 13584

<211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13584

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tacactgttg gaagggaat tgttgacacc tgccttgaaa ggctgaggaa attggcagac 180
aattgcacag ggttacaagg atttttggta ttcaatgctg ttgggggtgg aacaggttct 240
ggtttgggtt ctttactgtt ggagcgcttg tccgtagatt ttggaaaaaa atcaaaactc 300
ggtttcanca tetaaccttc tcctcangtt tctacagcag ttgtggagcc gtatnacagt 360
gttctctccg actcattctc ttctcgaaca cacagatgtt gttgttcctt tggacaatga 420
agncatatac gatatctgca ggagatcttn g 451
  
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<210> 13585
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13585

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cattgcttct ttcttcgaaa agcttgtacc gagatctgga tccacgagtt ctagaagact 180
cccttgttct tgcaagacat atgccagtc aagaaggtaa ataaactctt cttttggtct 240
gtaatttgtg ttgtctcttc cgctaacaat ctctaaacag actacaccga agctataaac 300
atcctgcttt gtctgttaag taanctctca ttgcatactc ngganccatg taacctctgc 360
atcaatgaan tattaagtcg ggaagtgtta accantcana aggnnagggg gncccnanng 420
nccggnntna gcgcnnngnt 440
  
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<210> 13586

<211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13586

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 tgtcctttct tcaagatgga agaggatcat gagegtatcg tggagggtcac taccctaata 180
 ttcaatggta taatctctgt gatggatcca agtagaagct gggcggctag gtggttaaga 240
 atcgggaagt ttgctcctgg ttgctacaca cttgctgtct cagagccact ccctgaggaa 300
 atgcagcact tatgccaaga ngagcgtgta caatatgttc tgccgaaacg catgtgaaga 360
 aatctatcac gatgaaggct antaggaag accaaagtat tccacttttt caataaaaag 420
 cntc 424

<210> 13587
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13587

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 tatancgta aaaactactt tatctgaagc aattcttaag gatgctgggtc cttctatgat 180
 atgacacgat attggnnaaca tctcaatcan tgn cattctc antggtgggt cagattctac 240
 cagaaattcc acagcaatgc ttgaagagaa cacnntcagc gataaaacca gcgctaacgg 300
 gtttcagggc tctcgacgag atatactgan gtangggagt cntggcattg ctctttcttg 360
 tgtenacttc gncgtcacca actggtnccg aatgcattat gcttcnccga aagctttgtg 420
 gaatgcattg gttggaacan ntnccc 446

<210> 13588

<211> 370
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-C3

 <400> 13588

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 nagcgagtcg aggataaatt aaactgataa tgagactcga acatagacag aggcaatggt 180
 gatacgaagt ggatcaaaga cactaacaat ttctactcac attattgtac ctcaatcatt 240
 tatcattaga caatgaaagt gtgatgttct gtctgtgaa gcttgatta ccacattgta 300
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 nngngcgnng 370

<210> 13589
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-C4

 <400> 13589

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 gtctgttttc tctcttttca agaaaccact tacttcgaaa atggctcggt ctatctctaa 180
 cgtaagatc gtatctgctt tegtctctcg tgaactctcc aatgctatct tccgacgtng 240
 ttatgcgggc acggcggcgc aaggganctt tcnagccgg tggaanaagt ggagcctggt 300
 gtcgcggctg tgaatgaaga anaaaggaan tggnagaatc aaccaagaaa atttcttggg 360
 gttcaagatt ccaaaaacgg gttattacaa gaccgcgaaac cggttccacg ngattgaccc 420
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<210> 13590
 <211> 455
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C5

<400> 13590

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atggacgagc aaacaagctc catatctgga acgatcttga tccaatcag aagcactcag 180

acctctttgt gcagtgtaaa tctggaaagg ccgacatggg aaaacattat gtcaagtatg 240

gaaaaatata tcaatttgat attagggata atttttggaa gacgacactt ttttgggtgta 300

ccttttagaca tgggcctgat tataggactg gccacaatt tgatgtgtat gaatatnaac 360

cgggtgtggc tcaaggaggc acatatgant ggacagctag agaagatggn atatatttta 420

ngttaaatca aggtacgatn canaaaagtc atnat 455

<210> 13591

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C6

<400> 13591

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ttctctcca gagccaccg gttttcgctt ctcttccttc ctcccaagat gaacccgccg 180

tgtcgcagct gtttccgaga aatttcattg cttgggacgg agactcgcgc gtatactact 240

gggattcgag acgatatctc cttcancgat tatctctcgc cttgggtgaa cctgaaccat 300

cctccgtcct cgccgcagtc ccgtccaagg tgatgcaacc agaccttcag gtgacatttt 360

ctggttagcaa aatctccatc aataagtctg ggattaagcn gtacttcttg cccggctcaa 420

gatggggata ngttgtgatt gtaccaant tgggacgttg cttccgng 468

<210> 13592

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 13592

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tactcaacac ctttctctc gctcggtgca tcgtatatgt attcctcatt ggctgctgca 180
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ttcaagcttc ttctcacac ttttgttgaa ccaagcaaac ttctgaact atttgttaaa 360
agacaaagga attaagtcaa aatgggattt caacaaagcg agtctatcaa gtatatggtt 420
gtattattac caancaagac atggntgaac a 451

<210> 13593

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C8

<400> 13593

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gcctgatgga tcgattcttc gtgctcgact ccctggtaga ccaactcgcg attgtttggt 180
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tggagttctt ggcgtgtata actgccaaagg agcagcttgg accagcacag agagacncga 300
gattttccac caggactann ngctgagngc cnacgtgggc tccanttcgg tgggtccgtg 360
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<210> 13594

<211> 59

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C9

<400> 13594

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<210> 13595
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13595

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tgtgttcccg ttgttatcgc cgatgggatt caattaccgt tctcggagac ngtacaatgg 180
ccggaaatct cactaacggt ggcngagaaa gacgtgagga atctacnaaa ggttttggaa 240
cacgtggcgg ntactaatth gtctgcaata cantgaaact tacatgaacc ggtgtttana 300
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<210> 13596
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-G4

<400> 13596

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agaagagaga ttggaaggag aaggcagagg ctttggccac gacggcaccg ttagctccgg 180
tcaccagtca gcgaaaagta cggaacgatt tggaggaaac attaccaaaa ccatacatgg 240
caagagcatt agcagctcca gatacagagc atccgaatgg aacagaaggt cacgatagca 300
aaggaatgag tgttatgcaa caacatgttg ctttcttcga ccaaaacgac gatggaatcg 360

tctatccttg ggagacttat aanggatttc gtgaccttgg gttcaancca atttcctcna 420
 ncctttggac cntactcata aacntaacgt tcaactacgt tacacnttcn aanttggggtt 480
 gccatcacao ttatgcengg ttana 505

<210> 13597
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-023-Q1-E1-G9
 <400> 13597

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 aaaatgatcg cttggctggt agcaaattgg ttggtagctt gaccagggga tctgtccgct 180
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 tgttgaga 428

<210> 13598
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-023-Q1-E1-H1
 <400> 13598

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agcttgccgt gaacgangaa gatggatctt aatcatatga aagggtcttc ctactentcc 360
 tccctccttc tcagctctcc cgaggaaactt ctctccggac tcctctcttc gccgtgactc 420
 aaccntcaaa tgnntt 436

<210> 13599
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-023-Q1-E1-H11
 <400> 13599

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 gaggcctcag gtcatatcgt gacgggtggag ctaaagagcg gcgagcttta cagaggaagt 180
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 gtcataccag acattctcaa acatgctcca atgttcaagc ggtagatgc tagaatcaag 360
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<210> 13600
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-023-Q1-E1-H12
 <400> 13600

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 cgtggcattc ggggttcgggt caaatacggg tcggtccatc acgagatcag tatcaactct 180
 caatctactt tcggtaaagc acacaaaaca ttccgagtta tacagtattt cctttatact 240
 attagtatgc tctgtttttg gaatttgatt gttgttggtg ttgaatttaa caacagggga 300

attaaagaag atattgtctg gtgcgacagg agttcatcat caagacatgc agattatata 360
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 tccaaaactt atcctaaana aga 443

<210> 13601
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-023-Q1-E1-H3
 <400> 13601

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 aattgaattc atctcctgca aggggtactc caaattgcaa ctcagtatgc cgaatttcta 240
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<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-H7

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t 421

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<212> DNA
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<223> unsure at all n locations
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caccgg 486

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<223> unsure at all n locations
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<212> DNA
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<223> unsure at all n locations

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gatggatttg acttcaaag aggaatggtc cattgttcaa ggagcacttc aaattcttac 420
tgtagctgat tgtctcacga agcaagtctt ctgtctttga agcctctttg agagcaactc 480
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<210> 13608

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-A6

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gatgcattcc agtcatcttc ttctcgagga gccgatcagg atggcttcaa tctcgagcc 180
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<210> 13609

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A7

<400> 13609

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agagatatca agcctgataa tctgctactc gacagaagcg gtcacatgaa gttatccgat 180
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<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13610

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<210> 13611
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13611

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ttggcccgga acaagctccg gcatgtatgc tctttgtctt atctttgtct tctttctcgc 300
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<210> 13612
 <211> 99
 <212> DNA
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<210> 13613
 <211> 537
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 <213> Arabidopsis thaliana
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<210> 13614
<211> 116
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13614

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<210> 13615
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13615

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<210> 13616
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13616

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<210> 13617
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<212> DNA
<213> Arabidopsis thaliana
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gtacatatgg atcataaaat tttacatttt tttctatcaa aaaaaaaaaa aaaaagggcg 180
g 181

<210> 13618
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-F8
<400> 13618

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ggaggaggag gaaccgctca atttcttcca taccggagta ataataacaa actcttcact 180
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gaanggatgg gattatcaag ccgggttaaa ngtaacctaa tgg 463

<210> 13619
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-022-Q1-E1-F9
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<211> 511
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13620

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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13621

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 catgttccga gcaacgtacg agtcaatcac caagggtaac cccatgtgga ataagctgtc 240
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 <212> DNA
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<210> 13623
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<223> unsure at all n locations
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 caaatgatgg tctaataattg tggggatgca attaaagaat ggggtgacag actatgtgaa 360
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<210> 13626
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ttgaaactcc aaagcaaaag gaaga 445

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<210> 13628
<211> 252
<212> DNA
<213> Arabidopsis thaliana

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 tgcaagtgga caatttggtg gtcttgctga aatgacagga ccagttgatt tcaacacaaa 240
 tgtggagtac tggcagcaag ataagtggac cggctctttc cccctcaagt ggcatattgt 300
 gaaggatgtg ccaaacagtt tactgaagca tattacttta gagaacaatg agaacaaacc 360
 tgttaccaac agcagagaca cacaagaggt taagttggag caaggtttga agattgtgaa 420
 aattttcaaa ggngcataac agcaaagact tgcattttgg gatgatttcc tcattctacg 480
 anggttccga cagaagacta tccttgngg aagaaagcca agccaaacc cagaaacaag 540
 gt 542

<210> 13631
 <211> 528
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13631

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 gattcccag agaaagaaag aacaaaaaaaa aaacatccga gtgaaaatga gagaaattct 180
 tcatattcaa ggaggtcagt gcggaaacca gatcggagct aagttctggg aagttatttg 240
 cggcgagcac ggtattgatc aaaccggtca gtcattgtgc gatacagatc tacagcttga 300
 aaggatcaat gtctatttta acgaagctag cggaggcaaa tacgttcctc gtgctgttct 360
 tatggatctg gagcctggaa ctatggattc tctcagatct ggggccgttt ggtcanattt 420
 tccgggctga taacttcgtt tttggtcagt ctgggtctgg gaataactgg ggcgaaaang 480
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<210> 13632
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C4

<400> 13632

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accacgcgct ccgatentca tcaanaccgc ctccccaggc tacttccaac accagcacca 120
atgccaatgc aggctcgagt gtttctgcta cctcatctga aaacagtgct gttaataata 180
gccagaggaa acctttttaga cggaataaca acacatcatc ttccagtacc agtagtaacg 240
tctccaatgc tgcgccttta aacaccagag atcagaatca cagccaaagg ggtgggtggct 300
cttttggttc aggggaatttc cgtaattctc agaggaatcg caacagcagc tcttaccctc 360
gtggggaagg tcttcaccat ggaaacaggc gcaattatga gcatggcaac caaagcggct 420
tttctcaccg taactatagt gggagagaca tgcacttgca accgcagagg ggtgttggga 480
tgatttaggc cccatttata tanccaagat tatgcacanc atgtctttat gccacag 537

<210> 13633
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C5

<400> 13633

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gctaaagaaa cctctgccac cgatttgaaa agaccgagag aagaggatga taacggcggc 180
gccgctacca tggagacgga gaacggagat cagaaaaagg aacctgcttg tttctccact 240
gttattcctg ggtgggttctc tgaaatgagt cctatgtggc caggagaggc acactcattg 300
aaggttgana aagttttgtt tcaagggaaa tcagattatc aggatgttat tgttttccat 360
tcngcancat ntggaaaagt tttgggtttt gggngngnat ttactccanc tttangggan 420
aagaatantg aagtgtcgct ttatcaggga atgnnttnca ntcaattttc cctnttggg 480
gttnanancc 490

<210> 13634

<211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-C6

<400> 13634

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tttacgcttt ttgttatcct tgagaaattht tacgttgcaa gagagatctt tgattcatgg 180
gtgttgaagc attcgtgtta aaatgtatga ttgatcttaa tcagtgagat cggtgagctc 240
aagttctgtg ttttgtaatt gagattcgaa gaggtatgtc aacaaagtta tggagatggg 300
tgttagggct gatataccta tttgccgttg ccacgatttg gattgaggct agttttgtag 360
tccaagtctg tggtggaagc tgggtgttct ccgttccttg atcactttca tttgtaatca 420
ttgggtccgtt gtttaacntc cccttttttg 449
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<210> 13635
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-C7

<400> 13635

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taatctcgat agccaagggt gagctatgga accagaagct tagagattta atcatcattt 180
cgaccctgca agtgtctgat tcttatatgt ctatgattcg aatgacttac tcgagagaga 240
gagagagatc aaacaaaaca gaacaaaaaa gctctttttc atttttcctg ttaacttata 300
agttattgca gcaaaaactgc agacttgctt aactatatat taatctaaat gtgcagattc 360
taatcaaaan nnaannanng ncnngcngg ng 392
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<210> 13636
 <211> 449
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-C8

<400> 13636

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gatgaatcag cacatgtgat gcagttcaag tggctctgatt ttaggattct tgatcgtgtt 180
agcattgggc atggcggcag ggctgatgag cttgtgtttg aagctatagt tcagggtcca 240
gataggtcag tttctacttc atatgtatta caagatttca agatgaattt cagaggcttc 300
atctgtggtg cttcaatttc acaagccctt tgtttaacca aggagttgtt cttcggaaat 360
tgaataccac tcgagctcaa agacgaagaa gaagagctat agaaatttcg cctccctttt 420
aatccantaa gttaccta at ggaatcccc 449

<210> 13637

<211> 515

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-D10

<400> 13637

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ccacacgcgt ccgcnaacgc gtccggcggt tctatttatg aggcgcctta tttccatgga 120
gctacacatt tgcttgaaag aatggctttc aagagcacgt tgaacagaac tcattttcgt 180
cttgtgaggg aaattgaggg tattggaggg aacacatccg cttctgcgtc tcgagagcaa 240
atgagttaca ctattgatgc tcttaagacc tatgtccctg aaatggttga agttcttatt 300
gacagtgtta gaaaccctgc tttcttgac tgggaagtga atgaagagct acggaagatg 360
aaggtagaga tagcggaact tgcaaagaac cctatgggtt tcctcttgga ggccattcat 420
tctgctggtt actctggtcc attggcaagt cctctgtacg caccgggagt ctgctttaga 480
tagattgaat ggggaactct tgggaagatt atgag 515

<210> 13638

<211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-022-Q1-E1-D11
 <400> 13638
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 aatctccgga ttatttgcaa gaatcgttcc cagataatct tccccagatt ctccacttct 120
 ccagctctga tcggagtgtt gctcgaacag cttgaagaag acgacgaaga tatggctact 180
 tcgaagaaaa tgatcacacg tgaagaatgg gagaagaaac taaatgctgt gaagcttagg 240
 aaagaagata tgaatacttt ggtgatgaat tttcttgtga ctgaaggata tggtgaagct 300
 gctgagaaat tccaaagggg gtctggaacc aaaccagaga tagatcttgc gaccattact 360
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 gttaatgatt tgaatcctga gat 443

<210> 13639
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-D3
 <400> 13639
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 tgttttcttc gtctctcttt catcaggcct ttggagtgtt gtgttaccat tttcgctcgc 180
 gtcattactg gtgttagggg tttcttcaaa agcttcttaa tccgtcgaaa ttgctctttt 240
 ctctccctca ttgtcgacag agataaatgg cttcaaagat tattgctggc aagccggatg 300
 ataccgagta tgaaatcatt gaagggtgagt ctgagagcgc tttagcagcg gggacaagcc 360
 cttggatgaa ttcacaaacg ttgaagcttc gacatccaat tggaagaagt cccttcgggtg 420
 atgtttggct ggctactcat canccagtca actgagggac tangatgnag catcatgaag 480
 gtggccttca anatgcctta tcccatcagg ggaagattca aagaangggg tgg 533

<210> 13640
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-D5

 <400> 13640

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 tacttcctaa tgtgcatgaa attaccgggt caacttctgc cagttcgttt acaaacatga 120
 tacaacatct cttggcagct gctgacctct atgaccttgc aagggttaaag atattatgtg 180
 aagttttgct atgcgaaaaa cttgatgttg ataatgtggc aacaacactt gcgttggctg 240
 aacagcacca attcttacag ctcaaagcgt tctgcttaga atttgttgca tctccaagca 300
 aacttgggag ctgtaatgaa gtccgaaggg gttcaagcac ttgaaacaga agctgtccca 360
 cttggttaac ctgagttgct gaacnactgg ttgcangcag cagntaagaa gctcgacgan 420
 ttgggcaatc aaancaagna aaagnaattg cgagcaantg tatt 464

<210> 13641
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B8

 <400> 13641

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 aacgggcttc ttcagggatg aaattctctc agtcgactgg taaatcaaatt tctgttgaaa 180
 aggagattga agaagtgaaa atgaaaccaa atatggatat ccgtctgagt gatatgaaac 240
 ttgttttagg accagagctg aggataatgt accctttaat tcttaatttt gctgttagtg 300
 gtgagcttga acttgatggc atggctcatc caaaatttat caaaccaaag ggtgtcctaa 360
 cattcgaaaa cggagatgtc aatcttgtgg ctactcaggt acgtctgaag anggaacatc 420
 tcaacgttgc aaagtttgag cctgaacatg gactanatcc tcgctaaatt anncctaagt 480
 tggttcaaaa tggcaaattt aagggtt 507

<210> 13642
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-022-Q1-E1-A11

 <400> 13642

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 tgtctttttt tatttctttg aaccggagaa gaagaagaag aaggagaagg atatatggga 240
 ggctgtactt ccaaaccttc ctctccgctc aaacctaatc cttacgcacc caaagacgcg 300
 gttctccaaa atgacgattc tacccttctc catcccgga aatcacgggt tcgttcatct 360
 cccgccgtaa aggctctctc ttttttccct ttttacacgc ctagtccgc ccggcacgcg 420
 cgtaacaaga gccgcgacgg gggggg 445

<210> 13643
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-A12

 <400> 13643

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 tcttgaatgt gctttcaaca ctgaaaaatc cggctcttga aaagacaagc aaagtgaggg 180
 atgtgcttc tattgtgtct cttgcggtaa agcaaacagt ttgcttgaat gctggaagaa 240
 gcaattgacg attgctaaag aaaccagaag ggtagaagt ctttgttacc gtcttttctt 300
 agtcagaaa ctattgaaga gctcaactaa ataccgaaat ctgtgtgagg ttgtggatga 360
 agctgtcaag actcttgaag ctgatgtggg tcctctcact ggtcttccta tgaaaatggg 420
 tagaggaatt gtaaacagac ttcattcggg acccgatgtg cagaaacttt gctcttctgc 480

tcttgaatct cttgaaacta tagcaactac acctcc

516

<210> 13644
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A2

<400> 13644

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ctccattctc aagcttccat tatctcaatc tccaggacaa gaatcctcaa acgggtctct 180
cagaatctct ctgtagctaa agctgcttca gctcaagcta gtagtagtgt tggtagagagt 240
gttgctcaaa catcagaaaa agatgtgttg aangctctgt ctcagattan tgatcctgat 300
tttgggacag atattgtttc ttgtgggntt gtgaaagatt tgggggatta atgnaagctt 360
tggggtgagg tttccgttcc gnttgggagc tgaacaacaa cccgnatgtc cagtcaaagg 420
acatgttttg agnaacaang gnaaatgaag gtaatttgca gccctcc 467

<210> 13645
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A3

<400> 13645

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cctcttgata cctgtaaatc caagttccaa gccgagattc gtgttcgcgg tcagcagaaa 180
tacagatata tgtagatgt gttttgggaa gcaatttcat caggaaatgt tctctccttg 240
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agttatagct anttcaaaga agggtaacatt cccaaaagga tgggttctaa agtccattgg 360
gnancaaaag ggctaattct cctcaantgc tggcggtggt cctggtggcc ttgtncctc 420

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469

<210> 13646

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-A4

<400> 13646

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tcggtgccga gaaccgaaac tgtcggtttt ttccggttcgg gtttctcggg ttcttccgaa 180
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gaagacagcg attgtgtgta gatcgacggc gaacgtgtgt ccattcgtct cgatngacgg 360
agaatacggt tcgatccggt ttcgattcaa atcngagagt ttgaggatct aaatccggaa 420
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<210> 13647

<211> 556

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-A5

<400> 13647

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ttctccaga attcgcagct ccagtgtttc cctccttacc ggacgcatta acctgcccct 240
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tgtctccttc gttgencaga cttcggattg ggctgaagaa ngtggagaag gaacgtcgct 360
gttgangaga ccgagaacan gtttttagagt cacaaggatg ttgagcnnaa gggagatgag 420

angcgaangg gagaatgccg aagccgaang gaagaattgt tgaagccgaa agggagaatt 480
 taanaagccg aaanggggna atgttaagcc gaaaggggaa nctgtttnaa ncngaaaana 540
 aaccttgann ttttcc 556

<210> 13648
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-A6
 <400> 13648

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 tcggttaacaa ccaccataac ttctctcggtg gagctggtaa tcgtttatca gccgaatctt 180
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 tgacaccaaaa gatcgatcgc tccgttttca atgagtcgcg tggtagncgg aaacagacat 360
 ttctccgtct ccgccttgcg cgccancctc aaacancggg aggaaantcc ntcgncgcaa 420
 cgtcagagag acgantcttc ccgttaaana 450

<210> 13649
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-022-Q1-E1-A8
 <400> 13649

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 ataagacagg aagaacgaaa ccggttgtgt tggatggtgt tcaaagaggt tgcaagaaga 180
 taatggttct ctatggcgga aaagctgtga aaaccaactg ggtgatgcac caataccatt 240
 tgggaataga agaagacgag aaggaagggtg attatgttgt ttctaagatt ttctaccagc 300
 agccacaaca gctagtagtc aagcgagggtg ataaagctga acaggaagtc tctgaggata 360

tctttgctgc agtgactcca acagcggatc ctgtcactcc aaaattagct acacctgagc 420
ctcgaaatgc tgtgcga 437

<210> 13650
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A9

<400> 13650

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ccgctatttc ccgatgaagc tctccccact aaatctggct acctcccggt taaaccgcga 180
cccggctcgt ccatgttcta tgctttctac gaagcccaag agccaaccac acctcttctt 240
gacactccgc tctcgttttg gctccaagggt gggccaggct gctcttcaat gattggcaac 300
ttttacgagc tcgggtccctg gcgtgtagtt tcacgcgcca cagacctcga gcgcaacccc 360
ggcgcatgga accgtctatt cggactactt tttgtggata acccaatagg agtcggatct 420
agcatcgcag cctcacaaca agacataccc acaaatcaga gacaggtcgc tgagcatctt 480
tacgccgctc tcgtggagtt ccttgaacaa aacccaaagc ttcgaaaacc ggncgggt 538

<210> 13651
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B11

<400> 13651

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ttttgtcca ttggagctat cttatagatc acaaccagag aaaaagatca aatctttacc 180
gttaatggag gaagtatctc cggcgatcgc aggtcctttc aggccattct ccgaaaccca 240
gatggatttc accgggatca gattgggtaa aggttactgc aataaccaat actcaaatca 300

agattccgag aacggagatc taatggtttc gttaccggag acttcatcat gctctgtttc 360
 tgggtcacat ggttctgaat ctaggaaagt tttgatttct cggatcaatt ctctaattt 420
 aaacatgaag gaatcagcag ctgctgatat agtcgtcgtt gatattctccg ccggagatga 480
 gatnaacggc tcagatatta ctaccgagaa gaanat 516

<210> 13652
 <211> 527
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B2
 <400> 13652

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 tgtgactaat tcttaatcat catcatcatc atcacttact taaatctaaa aaaatctctg 180
 tttgtatata tattatcttt gcgattttta tccaaatctt ccaaagctta gttttttttt 240
 tttttcaatt tctctcttgc gttttcgatt ttattacaag aactttggtt tgggcttcat 300
 ccatcgttca aggttcgttg aaaactatga agaaagttga gttttttatg ctcttctct 360
 gttcatcgc agcgatcatc ctagtgtctg ctgatccanc aacangtcct gctgatttgg 420
 gaagcaagtg tagtgattct gatgactggc aagggtgatt cttccctgga atccccaaga 480
 ttaagtntga agggaccttc nnngtangaa ccacttgctt acangtg 527

<210> 13653
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B4
 <400> 13653

anagctttat tcttgcccta gagataccga gcgggagatt ccagattgag agcagcttcg 60
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 aggtattgaa gttatagaat ggactttgat gagtatgagt acttagagaa gacagttgaa 180

aatcctcacc tggagaatga agttggtaat ggtggtggtg atgagaaagt caaatctgaa 240
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 gatgaggatg gtcggccgtt ctaagcggtc gaagatcgca tcaccgttca cgttctangg 360
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<210> 13654
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aaaagaggag tttgaggttg agtctgatga ttacatcaca tcaattgaag tttctgtcga 120
 caatgtcttt ggttttaaga gtgaaatcgt cacttctctt gtcttcaaga ccttttnggg 180
 aataacctca caaccttttg gaatggagac tgagaagaaa ttggaactta aagacggtaa 240
 aggaggaaaa cttgtgggat tccatgggaa agctagtgat gttctttatg ctcttggcgc 300
 ttatttcgct ccaacaacaa attcaactac gccatcgact ccttctacat ctaaganact 360
 acaagcaaga ggtggaaatg gangagcttc ttgggatgat ggtgtttttg atgnggttan 420
 aangatactt ggtangtcaa gggaaacnat ngnggtagcc ttcngttacc ttttgagtcc 480
 aaaaaaangg ggncccanag gcaatcccnc ggngaatttn t 521

<210> 13655
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-A10

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ttaatcatatc tgtgcggtttc tacaaagttt gttcctttct ttttcaactc tctcactcgg 180
 agtcacaggg atctgtttct tttctttttt tgcttttact cttctcttcc agtgagagag 240
 agtgagagaa aatgggtgaag cttttgttag taggggtttgt tgtggctggg ataatactgg 300
 gaactcaggc aaatgaatat ttagatttca atgtgacaga antagatcgc attgaggaat 360
 tagagtttgg nttttccaaa tatagctcca atttgaacce tttnatgggt ggnctcacc 420
 ttatcagagg agctgattct ggagctgttt gtttggatgg aacattgcct ggatatcact 480
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<210> 13656
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-020-Q1-E1-G3

<400> 13656
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 cttatcagtg ggaaggagct gttgctgaag atggaagaac tctagtgtc tgggatactt 180
 tctccaactc ttacgataca ggtaatggag atgtaacatc tgatgggtat cacaaatata 240
 aggaagatgt taagctgatg gcaacaatgg gcttagaatc attcagattc tctatctcct 300
 ggtcaagact tatacctaata ggaagaagga ctcatatc caaaaaggac taatgggtta 360
 caacaatctc atcaaaagac ctaaaagcc aagggatcca accacatgtt acacttaaca 420
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<210> 13657
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-G4
 <400> 13657

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cgtccgaaaa aagaagagaa aaggagttat atatggattg tattttactt attctgacta 120
 ctcttggtgc cattttcatc gtcaagattg ttctcctagt cactaaacct aacaaaaacc 180
 ttccaccgtc gccaaatata tgttttccga tcatcggaca ccttcacctc ctcaaaaagc 240
 cactgctaca ccggactctc agccatctct cccactccct cgcccccgtc ttttctctac 300
 gcctcggtc tcgccttgcc gttatcatct catctccaac ggcagccgaa gaatgcttct 360
 tgacgaaaaa cgacatcggt ttagcaaata ggcctcgttt catcatgggc aagtatgtgg 420
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<210> 13658
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-G6
 <400> 13658

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 tatccgatgg attctgatta ccacgcgct ggtctggtgg caaacgatcg ttcaccagct 180
 cagtttggtta ggctggataa accgagagcc gtagacgatc tctatatagg caagagagaa 240
 aagatgcgta ggtgggttg ctgtgcttgc cacgttgaag aaccttacca ttcttctgaa 300
 aatgaacacc tcagaagccc taagcaccac aatgattttg ggcacacac tagaaaacca 360
 cangcggtg tgaagcctga tgctttgaag gagcctccat ctattgatgt gcctgcattg 420
 tcattgggat gagttga 437

<210> 13659
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-G8
 <400> 13659

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ggttgattac cttatcaagc ctgtacgtat ggaggcactt aagaacatat ggcagcatgt 180
agttaggaag aggagaagtg aatggagtgt accggaacat tctgggagca ttgaggagac 240
tggcgagaga cagcagcagc aacatagagg aggtggtggt ggtgcagctg tttctggtgg 300
agaggatgcy gtggatgata actcatcctc ggttaacgaa ggtaacaatt ggaggagcag 360
ttcacggaag aggaaagacg aggaaggaga agagcaagga gatgataagg acgaagatgc 420
gtcgaatttg aagaaaccgc gtgtcgtctg gtctgttgaa ttgcatcanc agtttggtgc 480
tgctgttaat cagctccgcg tttagaaagc ggg 513

<210> 13660
<211> 87
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H1

<400> 13660
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cgattctcgt tcaggttcat ntgaatg 87

<210> 13661
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H10

<400> 13661
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cttgaatatt tatcggaatc aaagcttggg tttttaatcc tggtaaagcc atgtcacata 180
tgggtgtttca gagcgttgct gctcccaaac ccttatctcc tctcaaacc tgtttaccta 240
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cgctctcggtt tcttgtcgat gattcagttt caggactcga gcgttgctta cagttacctt 360
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 ctgtgatgaa aggcaaattt ggttcggtag gagctgttac tttggnaaaa gggaaacttg 480
 atatgaccca aaagattctg agaacaa 507

<210> 13662
 <211> 72
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-H11
 <400> 13662

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 tgccaaacac ca 72

<210> 13663
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-020-Q1-E1-H12
 <400> 13663

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 tgatgtcatc cgatctatcg aggtcgaata cgacggaacc tcccttaagt cccagccacg 180
 tggcaccgct ggcaccaaaa ttgacggatt tacactgagc tctgatgagt atataacgga 240
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 gacgaacaaa aggacatatg ggacttacgg aaataaaacc agtagctact tttctgttgc 360
 cgcacccaaa ggataaccaa gattgtcggg tttcctggaa gtagcaacca tgctctcaac 420
 tccatcgacg ctcaatttgc c 441

<210> 13664
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H4

<400> 13664

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aagcgagccg ctaaactgga gaagttgctc cgtaaacagg aacgagaaga agccacatca 180
tcattctctt ctctggagga ggaggatgaa tcgtgttcca gcaactacgg tgacgtgact 240
actaacgagt tgcagtcggc tgttgaggga aaagagctca ctgatgtgag caacttggtt 300
gaagagattg tggggtcaga ggtttcgatc agaggtcgac tgcacaagaa tcgcttagtc 360
ggtaccaa at tgtttgtgat cttgagggaa agtggattca cggttcaatg cntgggtggan 420
gagaacanaa ttggtgcaaa catgattaaa tttgtcaagc aactgantcn tgaatccgtt 480
gttgaaccta ncggtgtcct cccctcaanc 510

<210> 13665
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-H5

<400> 13665

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ttggcggttt gatccgattt tgaactcttg gagtgaagtt agttctatgt tggcgagtcg 180
ggcttattcc aaaacagggtg tattgaataa gaaactatat gttgttggag gggttgatcg 240
gggacgggga ggtttatctc ctcttcagtc agctgaggtt tatgatccaa gcacggatgc 300
ttggtcagag gttccgagca tgcctttctc aaaggcgcaa gtgttgccaa atgcgttttt 360
ggctgactta ctaaagccta ttgccacagg aatgacttgc tacaacggta ggttatgtgt 420
tcctcaaagt ttata 435

<210> 13666
<211> 418
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-H8

<400> 13666

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cgaaaggcaa gattcctgac tgggtggggtt gggcttactg ggtatctcct ctcacctatg 180

ctttcaacgg tctagtagtc aatgaaatgt ttgctcccag atggatgaac aaaatggctt 240

cttccaacaa cacaataaaa cttggaaact aatgggtgctt aataacttgg gangtntaac 300

aacaaaagaa ctgggtactgg atttcaattg ganccttgct ttgtttcana nncctcctca 360

acattccaat caacttggn ctaactanct caaacctcct gggaaaaaag naagttta 418

<210> 13667

<211> 94

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-A12

<400> 13667

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acagcataac cacatttctg gagcttcaan ggaa 94

<210> 13668

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-A2

<400> 13668

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gggaggacaa tggcagcaca ttctagaagt gtatcagagc cagatttcag taggacgcc 180

atacaggatc agactgactc ctcaaaagac aaaagctcct gatgggggtga cacagggtga 240

aatcaactcc ggaaggtgcc aaagttctcc gggtaaccc gctttggtaa ttgggcataa 300
 ttgaagnaac acttgtnagg gaaaaggcct tcccaanctc cgattaatcc nnaatngaag 360
 gcaaaacctg ggttaatgna gaaatcaatt ctanctaag gacnaattac cctaaaagaa 420
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 ccnccnc 488

<210> 13669
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-021-Q1-E1-A3

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 gatcgggggt aaccaatggg tectaccaag ggaattcctt gaatttccga aaccagaagt 180
 cgccgaacaa aggaaagaac caacaagtga aagcaatgac tgatgcccac agtttagcga 240
 gtgaaacaga tgatcaaccc tcaacacttg gaacagaccc caagggtcag aattattctt 300
 ccgaggcaag caacgttggg gaatctgatt ggggtgttgt ctcccatc caggagccag 360
 agggttctcg aaatcgtatt cctgttggga gggaacgcaa aacggttcaa tccattgtga 420
 actcggtcga catggatcga cctaaaagag aaaagcactg ctgtactttc ttctcccaga 480
 aaatgttgcc cagaatcct caacaattaa ctgagaccaa ncg 523

<210> 13670
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-021-Q1-E1-A5

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ggcgaggcgg agcggatggt acggtggctt ccggttgagaa tcaggtcggc gttgatgctt 180
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cgccggcggtt ggcgttttgt acttggggac tactagaggg taaaaaagta tgtgtgtagt 420
gagtgatcag tatccaagaa gttttctttt cttttgagtt tgtaattttg gtgtanaaat 480
cacatacggt gccttgcaag gctacatgt 509

<210> 13671
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G10
<400> 13671

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caagaatatt attccaggaa catacaatat ccgtgcaccc catccagagc tgcaagttga 180
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tgtccatata tatttgcatt cagatgatgt ttccatggta gattgtcccc aaggatctgg 360
tgacgctgct ggagaaagga aatctctttg ccatgctgta tccgatgcag aaggaatttt 420
cagtttcaag tccatccctt gtggnaaata cgaattgggt ccgcattata aggggtgagaa 480
tacggtcctt gatgttcaact cccggta 507

<210> 13672
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E4
<400> 13672

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 atcccttttc ctcaccgtca catccccgaa aacttccctt ctcccgccgc cgtcgtcacc 180
 accaccgtca caaccaccgt cattttctgcc gcctcttcca atccccctct ctcctctcc 240
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 aacgaagtga ttctacaaca gtgtgataat ctcaatccat ggagctctcg ctgcgacgca 360
 ctttctaacg acgggttttg tcaagaagcg acgtcgtaa gcaacgtgat ccctaaagat 420
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<210> 13673
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-020-Q1-E1-E5
 <400> 13673

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 tctgggaaag cacaatctaa cagcaccat cacttcgtac tctaggccag aggtgtttac 180
 aaagtcacag tcatacttct ttgctcagtc tgtgaaaacc attgcggtga catccacagc 240
 aaaggtata acttcaaagc agcttctcat tggtagctc ggggatcaga tattggcact 300
 tgataaacga tttgtggatc cagccggac acttaaccg tctcaagctg aaaaagaaga 360
 aggaatcatc cctctcactg atacattacc catcattcct caagcgtatg ttacacactc 420
 ccacaaagta ga 432

<210> 13674
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-E6

<400> 13674

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cctatactct tcttctccat ctctcaaac tgccaaaaac cattccttta aagcattgcc 180
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 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13675

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 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F11

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cccaagcata acggcgaaag gatcgagcag agaactaaga cttggaagaa ccgctcacia 180
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<210> 13677

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F12

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<210> 13678

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F2

<400> 13678

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gttttgcttc tcttttcacg ggcgacgacg acgtcgagtt tctgtcaaaa cgtaaacgat 360
ccgactcgag cgtcgacagt aagagaagaa gacagcgatt gtgtgtagat cgacggcgaa 420
cgtgtgtcga ttcgtctcga tngacggaga atacgtttcg attcggtttc gattcaaact 480
nggagaattt gaggatctaa atccggaaat t 511

<210> 13679

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F3

<400> 13679

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attgttcgat atcaatgggg aagaacaata agatcggaag cggtgttcgg atccgtcaga 120
tgcttaaaça atggcagaaa aaagctcaca tcggatctag caacaacgat cctgtttccg 180
atgtacctcc tggtcacgtt gctgtttccg tcgggtgagaa tcgtcggaga tacgttgtcc 240
gtgctaagca tttgaaccat ccgattttcc gacggcttct agctgaggct gaggaagagt 300
atggattcgc taacgttggt ccgtttagcga ttcttctgtga tgaatcgttg tttgaggata 360
ttattgcgat tgtgactcgg tgtgagtcgt catcatcatc tggacnangt aatcctccgg 420
cggcgacgcn tgangatctc cggangtgta ntcagtgttg attggcgaag aacaacgttg 480
aatccccgtc cgttact 497

<210> 13680

<211> 511

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F4

 <400> 13680

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 cgcggtccgcg agacgcntgg ggggggagtgc taatctatct ggagaactgg tgccacagct 120
 tgctcagctt ccaaatttgc agtacttggg acttttttaac aataatatta ctgggggagat 180
 acctgaggag cttggcgact tgatggaact agtaagcttg gacctttttg caaacaacat 240
 aagcgggtccc atcccttcct ctcttggaact actaggaaaa ctccgcttct tgcgtcttta 300
 taacaacagc ttatctggag aaattccaag gtctttgact gctctgccgc tggatgttct 360
 tgatatctca aacaatcggc tcagtggaga tattcctggt aatgggttct tttcgcaatt 420
 cacttctatg agttttgcca ataataaatt aagggcgcca cctgcatctc cttcacatca 480
 cttcaagaa cgtctgcaac aatantaatn g 511

<210> 13681
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F5

 <400> 13681

 caagangaag atcgttgaag gagangaaga tannanagga ctagtggaga agatcaagga 60
 gaagctccca ggataccacc acaatacagc acangatgat gtaccagttt ccactacat 120
 cccggtacca ctgtengaga gtgtggtgga gcatgaccat cccnaggaat agaagaaagg 180
 ttatntgaga agatca 196

<210> 13682
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F8

<223> Clone ID: LIB25-020-Q1-E1-G1

<400> 13684

ngnnnggaat gtccgttgca cggccggtcc gactnttaac gggggggcccn acgcgtccgc 60
naacgcgtcc gccacgcgt cgcctaacct ttctttgaaa tcttgacctt tcccttcctt 120
ctccgctaaa ttcggttttaa tttcatcttc ttctttcttct tcaattcgat gcaataatag 180
tcacttcaat ctcaatctag gggttttcaat tttcttcatg tgaatttttt ttcccccttct 240
tctcaatttc aattcaatct gggattcgta aattctcgga agatgaaacg cgatttcgac 300
gaaatctccg aggaagagtgt gtctcaacac tcgtttaacg cttcgcgagt tcttaaacga 360
acacgggctc cgaagaagac tcgcgcgggg acgaatccaa cgccgtcgat tgagtccttt 420
gcgtttanga gaacttcgac ggngatgacg attgagagta atagcaacga tgggtgattgt 480
gttgaaaatg aggattggg 499

<210> 13685

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-E2

<400> 13685

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atcgatcctg aggatgagaa cattgatttc ctgaggatgt gccaaagcat aaaggagaaa 120
gaccctaact ttaagttcga gtttactttg gatgcaaattg ataagttaga aaatattgcc 180
tggtcgatatg cttcttccat tcagtcatat gaactctttg gagatgctgt tgttttcgat 240
acaacacatc gcttaagtgc tggtgagatg ccacttggaat tatgggttgg agttaataac 300
tatgggtgtcc cttgcttctt cgggttggtg cttctacggg atgaaaattt gagatcgtgg 360
tcatgggcac tacaggcatt cacanggttc atgaatggga aggcacctca aacgatatta 420
acagaccata atatgtgtct caaagaagcc atagctggag agatgccaac cactaagcat 480
gcactctgca tatggatggt t 501

<210> 13686

<211> 504

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C11

 <400> 13686

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 cactgacgaa tcctttctgg attttgatc ggtctatgct tctctactct acttgatctt 180
 gatcttcgag aaatttaact tcgttttgca attgatcgtc tcgctttaag aagcttgacg 240
 atccgttgat ctctttctgt gattttgcgg ggtttaggt taggggttta atttcgattt 300
 cggttgtcaa ttttgatggc ttcgactgct gatttctctc tggatgatca aacggacgag 360
 gatttcttcg acaaacttgt tgatgattcc tatactccta ccgcttcac ctctgccaag 420
 gagctgaaat tcgatgacgg tagtgattcc gatgacgcca aaagctttgc taatctctcc 480
 gtcgttgacg atgttttggg gtng 504

<210> 13687
 <211> 254
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C12

 <400> 13687

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 tctctttaga aactaagtta ttatggtcac gaagggttaa gaacccttg gttgattttt 120
 tgtcttggtc gtttggtatc ggatcctatg atactactat ttcggcttaa aggtgttatt 180
 aaccananaa aaaaaaaaaa aaaaaanaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 240
 angaanaaaag nnaa 254

<210> 13688
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-C3

<400> 13688

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cgcnaacgcn tccgcttttt ctccggagct ctgactcttc ttctctccgg atccaaaaat 120
gaatcgtctc ttttctctct tctccatagc tctgacgctt ttcctctgcc tccaccatca 180
tgttctcgct tcttctctct ccgacttcga aggtttcgat gctgaagacg acgatgtttc 240
agaagattcc actgagcttc accactctct ccgtcctcct cttctgactc agtctgagtc 300
aacggttctg gatctggacc catctcccga ttctgattct actcctgcat ctaaattctga 360
tctcccact cagaccgtga agccttcgtc ctccatctcc ttcgattact gggatgaaga 420
tgagttcgaa ggattgccgg aggacgaaaa atctacggga gtctccggtt ttttccgatg 480
acgcctcctc ctctggccg aat 503

<210> 13689

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-C5

<400> 13689

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gagaaaagcct tatttcatag aagaagaaga cgatggtttt gtttctttat ctgagatgga 120
agctggagtt tcaagtcctt cttgttacia ctatectcag agttattatt ataaccatca 180
tcatcatcag tactctgttt catctcccag atctggaaaa tttcatgatt ttagattcga 240
caatagctat tacggttatg gacagcctca tttcttggac tcttgcttcc tctgcaagaa 300
acgtcttggg gataacagag acatcttcat gtacaagagg agacacaccg ttctgtagtg 360
aagagtgtag agaagaacaa gatagaaaga gacgaagcaa aagagaagaa acagagtctg 420
tctacatctg tgaa 434

<210> 13690

<211> 524

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C8

 <400> 13690

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 aaacaagaga atcgagtaat gcaacaacaa ggtgaaccat cggttttgag tttgagaccc 120
 ggcgggtggcg gcggcaaaaag caggcttttc gtccctcgct ttagctcctc ttctctttt 180
 gatcttacca atggcggctc cgaagaaacc ccttttcccg tcaagagaga aaattctggt 240
 gaacgtgtga ggttttcccg agaagagata cttcaacaca aaaaatctgt tcaagtctcc 300
 gatgaaattc ctagacgctg taagggaatc ncagttgagc tttttgggga aaaacaaaat 360
 ttgggggggaa tcatgcaagc cgagaagtaa aattaccaa tcnataactca agcatccgctc 420
 ataaccgaag actgaataac cctttactng ghaaaaatnc nttcccana antccaaacc 480
 cctnggggaa aaaaaagggt ttaaaggga naaccccccc ttaa 524

<210> 13691
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D2

 <400> 13691

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 ggtcaatgaa gacgcagaga caggagacat gggcttgctc tgtcactgag tcttttctcc 120
 tcctcgtcgg aaagaatctg gcttgtcttc tccttggtgc agaatcatta ctgatagggt 180
 tggttgctgt tgaccagagg ttgtctgtca aggaggggta caaaagagga agccgtattg 240
 aggaaaacaa agatgctaata gacaatgacg atgacgacga tgatgaaaga cgctgatgag 300
 gacgacgatg atgangatga tgctaataat gaagatttct caaggggtna aagggaataa 360
 aggagaaaaa gaagctgatt caangatga ttctgtgaac aatggtggaa gaagaaacna 420
 tgatgaagat gacgatgatg ang 443

<210> 13692
 <211> 507
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-D6

<400> 13692

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cgtccggaaa cagagagcat tatcaattat taacaattac acaagacagc gagattgtaa 120
aagagtaaga gagagagaat ggcaggagag gcagaggctt tggccacgac ggcaccgtta 180
gctccggtca ccagtcagcg aaaagtacgg aacgatttgg aggaaacatt accaaaacca 240
tacatggcaa gagcattagc agctccagat acagagcatc cgaatggaac agaaggtcac 300
gatagcaaag gaatgagtgt tatgcaacaa catgttgctt tcttcgacca aaacgacgat 360
ggaatcgtct atccttggga gacttataag ggatttcgtg accttggttt caaccaatt 420
tcctctatct tttggacctt actcataaac ttagcgttca gctacgttac acttccgagt 480
tggttgccat caccattatt gccggtt 507

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<210> 13693

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-D7

<400> 13693

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ccccacgcgn ccggaaaact ttgtagttga ccggatcatt ctcaattcgc cggccgacgt 120
tcttccttcc gccgtcggta tctatatatta cgatccacga tctctcttgc tgtttctgtc 180
ttcatcgtga cgaaaatggc tgctcgtatc gggatcttct ccgtcttcgt agctgtattg 240
ttatctatct ctgcattttc ctcaagctcag gatctccaga tcgtaaatgc cgagcgaagg 300
attgatttaa gctcacatat cgtgaaggcc ttcttgactc tcaagggtga aatattggga 360
aagattcctg ctgcannaat ngcttcttgc tttccacct acccaagatt aaagaatttg 420
ggctatggta caagcccctn gcaactactg ggcaaagaaa gaagaagaaa aacttaattt 480
gccaattnan attgtanaaa ccaacttgan caacctgatg cac 523

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<210> 13694
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D8

 <400> 13694

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 caatctctgg aatttgtgtg atttttcgga attgcttttt taagtgtcac tcgtgggttg 180
 gttcatctct tagttcgagg agtggttctat ttttggggct ttattgattc catcttctcc 240
 cttgccgttt atgggataaa atcaacatca atgagggctt tcatgtgaga ttttgtgtgt 300
 gaattttaat tcanatggnt gatatgcgta gacganatgg aantgnaggt tcctctaadc 360
 atgaaaggaa tgangcaaga tantgtttcn aaatccagag anctttggac tttgatttgn 420
 cctgcgatac tctttncnt catggnattt ggtgacaant gcnctnattc ttctggtagt 480
 tatgtttaag tccattgctg gatttngatt 510

<210> 13695
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D9

 <400> 13695

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 aagttagaag acgacagtca cagcatggat ggcttcacag actggatcct aatgaaccgg 120
 taatgctatt cacaaaaccg ctgggtcccg ataaactggc agctgcaggg attgttcctc 180
 caacaccgga ttcataacca ggtcaacctc caagtcgggt tcaggggagg attgggcgtg 240
 gtggccgaat tattttcgat agatggaatc cgttgatgca atctcacatt aattgtggaa 300
 actcttatta cattgtcca aatcaccggc ctaccaactt cgattgagat attttcacaa 360
 tcttgctttg taaagaattt tccatcanca atgggtgtatg caataacgat tctcanctaa 420

ataat

425

<210> 13696
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E1

<400> 13696

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cttcttactc cggttggttc ttcgtcggtta ctttggcagt tctgtcacia tttctcttag 120
ccccagcttc agccttggtc aacagggaat acatcgattc caattgccaa agagtcaaaa 180
acaaagcctt ctgcatccaa actttgacca cctatcctcc tgccgctgct gccaccggcc 240
tgttaccatt ggctgaggcc gtggttggtt tgcaatatcc cactgcgaga agacagctgg 300
tttcgcagca gagacagcca aaaaaggagc caacattgaa gaactcaagt ttaaacaag 360
tgncaacgaa gcctaattgt ggggtattttt ggcgtctcta aaagaagcgc ctccaactgg 420
gaaactcaaa ggactcaacc aagacaang 449

<210> 13697
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E11

<400> 13697

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atcttacttt cctggatctc atagttaate tggtttgagt ctagaaatgt cgagtgatgc 120
agctcgtagc ccattgttac cactgagaa gatagatacc atggctcaag atttcaacct 180
gaactcaaga actttctctt caagaaaacg aagattgcgt cgctctagaa gtgctcctcg 240
tggtgattgt atgtacaatg atgatgtcaa aatcgacgaa ccacctctc atccgagtaa 300
aatcccaatg ttcagtgatc taaacccgaa tctcaggcga gtgatcatgt tcttggcttt 360
atatcttacc attggtacgc tctgtttcna ctggtgagag accagatttc cggtcataaa 420

accagtgggtg tggtanat

438

<210> 13698
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E12

<400> 13698

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aaaaaattag gtattttaata attcatcatt gccattggat tgtgtgtggc tgcgtcagta 120
aaacgtattc ttaaaagcaa ccattgggtgt gattgactct ataagagaat tcgtcagcgt 180
gaagcaatct ccaatctaata cgcagcatat cttctccgat tcctattcgt ctctgcaatt 240
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catgcgccgt tcgttgtgat cgtcgcacgt taaatttgaa ttctcgatcg tcatgtgttg 360
ttccagtgc gaatcgacgg natatgtgtt gcgattggga anatttnatg ttcattggagg 420
at 422

<210> 13699
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C1

<400> 13699

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gtccggaaaa aataaaaaaa ataatgggtc atcgaacaag aatgatcctt gtcctaacct 120
tagttgtaat gtccatatgg gggtcggacg catcagcaat gcaaaagacg aaattcgacg 180
ccccactttt gactgaaaaa atcgcgacaa atagatcgat aattgtagat atcgaaggca 240
aaggagacta cacttcgggt cagaaagcca tcgatgctgt cctgttggt aactctaatt 300
ggattattgt ccatgtccgt aaaggaatct acaaggagag agtgcacatt ccggagaaca 360
agccgttcat attcatgang ggtaatggaa aaggaaaaac ggtgatngaa tcctcncaaa 420

attcgggtcca caatgttgcc tcaactaatt tcaaagtcca aggtaatcac ttgtcccctt 480
 tgggaancan catccgaaat gatgc 505

<210> 13700
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-A10
 <400> 13700

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 tgcattctcag aggagattca cgcaaacgca atgaccatcg gaaaatacag cattataaac 180
 cctcacgagg atcatcctct tccttcttcc cataaagtca cgcgcagggt cacatcgcca 240
 caagggacgg cttatcacga atcggacgga gtagaatcgg gacaattctc gtttgtagct 300
 gtggaaacag gggattacat aagttgcttc tccgccgtcg atcaciaacc agagacgacg 360
 ctgatcattg actttgattg gaggacgggt attcatacca aggattgggc gaatgtggca 420
 aaga 424

<210> 13701
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-019-Q1-E1-A11
 <400> 13701

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 ttccagctac tccagaagat tcttcgactt aatctgatgt gagngngaag agcaatagag 180
 gaagagaaga atcagaaaaa atggatccgg cgactaattc accgattatg ccgattgatt 240
 taccgattat gcacganagt gatcgttacg acttcgtaa agatattggc tctggttaatt 300
 tcggcggttg tcgtctcatg accgatagag tcaccaagga gcttggtgct gttaaataca 360
 tcnagagang agaaaagatt gatgaaaatg ttcatangga gattatcaat cataggatca 420

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ctagtgg 487

<210> 13702
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-A12

<400> 13702

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agcgtggagg aggaaacaga agaggaagta gaggaagata tgccgtggat tcaagagaag 180
gcgttagacc tagtcgagtt cactggatcg gtgagtcagg cgattcctgg tcttcgagtt 240
ggaagtagca aattgccgtg gatgctcgcc gttccgttag cttacgccgg cgtcactttc 300
gtcactgctt tcgtcaaaac cgttcagaag ttcccttctc ctaaagctca gcgcaagaaa 360
ctggtgaatc agaatgctat gctttgcaga tctatagatg agctattaag gaaagctgga 420
acagtgcata 430

<210> 13703
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A2

<400> 13703

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cctttgcaga tctgttgatc atctttgcga ggaatacaac aactaaccaa atcaacgggt 180
aagtcagatt attggctttc ttagatctct cagattttgt atcttaggtg tagaggctgt 240
tcccagaaaa ctgaaggtaa tgagggtggct cttgatttca tcttatggta gtgctgtaaa 300
aatccatttt cataaagaat gctaaatagg ttgctacgca attgaatgtt ctgaacaata 360

aatttggttaa ggaccgttat caagtgcata ctggactaat gtctggctcc tcattcatct 420
tatatagact atatttcctg cattagaaac ttatcagcaa ccctctttca gattcatagt 480
caagaaagat gcgcctggcc taaag 505

<210> 13704
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A5
<400> 13704

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tcaaatccga atggaccact agaccatgaa ttattcctct tatgtgctcg tgatactgtc 120
aaacttctga gaaaccatcc aagcctggct ctttgggtgg gtggaaatga acaagttccg 180
ccaaaagaca taaatgaggc tctaaagcaa gaccttaggc ttcattctta ttttgaaacc 240
caattgttat cagacaaaga ttcagatcct agtgtttata ttgacggtac tagagtttat 300
attcaaggat ctatgtggga cggttttgca gatggaaagg ggaacttcac tgacggncct 360
tatgagattc atacctgaag atttttttaa agacacatat tacaagtatg gggttcaatc 420
cggaggcc 428

<210> 13705
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-019-Q1-E1-B10
<400> 13705

aaaatccaga ttttgtgttt agccgacgag aattgggaaa aatgtcgtgt acgcatgac 60
acaactgcga agatcatgag tgttcttccg attggtctct ctacaaacac attgatctct 120
ccaaggtttc agctctgaat gaatctgttt cgggaagtgc aaaatcagtc ttcaaagcgt 180
gggaacagcg attacactct tctggggagc atttggagag caatgagggg gaccctgaat 240
tgcttgtttt tgtaccatct acatcagacg tcaagatcaa gagcatatca attgttggtg 300
gccctgaagg aacaagtcct tctaagttga gagtgtttat caatcgtgaa gggattgact 360

tctccgatgc tgagagtatg caagccgttc aggaatggga gttagctgaa aatttgcaag 420
gagtcttag 429

<210> 13706
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B4

<400> 13706

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gcgtccgaag aaaatatcac agcaaaaatt ttctcgagaa aatccgaaga agacaaaaaa 120
aatggcggat cagctaaccg atgaccagat ctccgagttc aaggaagctt ttagcctatt 180
cgacaaagac ggagatgggt gtatcaccac aaaggagctt gggactgtga tgagatcact 240
tgggcagaac ccgacagaag ccgagctcca ggacatgac aacgaagtgg atgcagacgg 300
gaacgggaca atagatttcc cagagttcct gaacctaatg gcacgtaaga tgaaagacac 360
tgattcagag gaagagctta aggaagcctt cagggttttt gacaaggacc agaacggttt 420
catctcggcg gctgagcttc gtcacgtgat gacaaatccn tgggggaaaa gttgacggat 480
gaagaaatcg atgagatgat tcgagaagnt g 511

<210> 13707
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-B8

<400> 13707

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ggaactctcg gcgttctact ccgtctccgg cgttacctcc gtcgatttca tcttctcagt 120
tggaaggagt gaattgagaa ggtcgggcca atatggcgaa cttacaagtt tctgggatac 180
tcgaaaagtt tcagatgacg ggtaaagata aagattacag atacatggca acctctgatt 240
tgcttaatga gttgaataag gattccttta aaatcgacct ggacttggag gtgagattgt 300

cgagtatcat attgcaacag ctcgatgatg tggctgggga tgtttctgga ttggctgtta 360
aatgtcttgc tccattgggtg aagaagggtg gagaagaacg aattgttgaa atgaccaaca 420
agttatg 427

<210> 13708
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B9

<400> 13708

aacacaaaaa aaaataaaac ctttctatctt ctcttctctc tttgagcttt gacctctcct 60
ccatctcccc caccctttta tgcaacaatg ggaaattggt gctctcacgg acgggactca 120
gccgataacg gagacgcatt ggaaaacgga gcttccgctt caaatgctgc caattcgact 180
ggtccaacgg cggaagcttc tgtaccacaa tcaaaacatg cacctccttc tcctcctcct 240
gcaaccaaac aaggccctat aggcctgtc ttaggtcgac ccatggaaga tgtaaaagct 300
tcatattctt tagggaaaga gctcgggcca ngccaatttg gtgtcacaca cctctgcaca 360
caagaaggca acaaggatcat caatttgctt gcaagacgat tgcaaaa 407

<210> 13709
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C1

<400> 13709

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tccgaaaaac atggccgaag tcaagtatcc tctggaccat tttaagacgt tcaatgaatt 120
cttcgtacgg ggagttaaag cctgggtgcaa gaccaattgc gtgcatggat caggatgatg 180
ttgtgtatc tgctgctgat tgtcgattaa tggcatttca atcggttgat gatagcacac 240
ggttctggat caagggccgt aagttttcaa tcaaaggcct ccttggaat gatgtgcagt 300
cggatgcttt ccttgatgga tctttgggtga tattccgatt ggcgccacag gactatcatc 360

gttttcattc tctgtctctt ggtgtcattg aaaagtttgt caatgtttct ggaagcttat 420
 atacgggttaa tccgattgct gtcaatagca agtactgtat gtgttcactg agaataaacg 480
 gaccatccgt aattatatca a 501

<210> 13710
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-019-Q1-E1-C11
 <400> 13710

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 ctccatggat cattcgcgag tccttanagc aaaaggattg agttagccnn aaggcttaaa 120
 tctatacctt accaattcgt gcaagaagat ctccagaaca agagccaaac cctgctccgg 180
 tataaccggt ttcacaagaa gatcccggtt cttgtccaca acgaagacct ttatagaaga 240
 tctaaagtcc ggttttgggc taactacatc caattacatc tttacgattt ggtgataaaa 300
 gtggtgaaaa gcgaaggaga agagcaaaaa gaaaagctct cacangaagt aaangagaaa 360
 ntgagcgtaa tagagaaaga agggcttaag gagattttct ctgacactga tggatgaanca 420
 actgtgacga acg 433

<210> 13711
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-C12
 <400> 13711

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 attcttatta cctgattcgt cctgagtgc ctgatgtccc caataccaaa ttcaagatca 180
 aacctggtaa aactctaagt gtaagaaaat ggcaagctgc atttacaaca gaaggattcc 240
 ttgatattgg caagactcta agtcgaatcc aacgaggggg gatccatcca tcaattagag 300
 gagaagtctg ggaattctta cttggttggt atgatccaaa aagcacattt gaagaaagag 360

agcaaatccg acaacgtaga agattgcagt atgcttcttg gaaggaggaa tgtaaacaaa 420
tgtttccccg t 431

<210> 13712
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C7

<400> 13712

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ggggagatca atagacgtca accgttacag aggttacgat gagctgaggc atgatctagc 120
gcgcatgttt gggatcgaag gacagctcga agatcctcaa acatctgact ggaaacttgt 180
ttatgtcgat catgaaaatg acatcctcct cgtcggcgat gatccatggg aagaattcgt 240
aaactgtgtt cagagcatta agatcctttc atcagctgag gttcagcaga tgagcttaga 300
cgggaacttt gccggtgtac cagttactaa tcaagcttgt agtggcgggtg acagtggcaa 360
tgcttgagga ngtcattatg atgataactc agccacttcg tttaaccggt gatggcagaa 420
gaattctctc 430

<210> 13713
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-C9

<400> 13713

ggcaattctt agtttctctt ctatccccctt tctgggtttt gtttgaacc tagctcgctt 60
tggatccagt ggttttaagt taaaggtaaa tttatcgaaa gtaagtagat tcctaattggc 120
agcttccaat cattcatctg gtaaacctgg aggagtttta agtgatgctt tatgtaggga 180
gctctggcat gcctgtgctg gacctcttgt aaccctacct cgtgaagggg aacgagttta 240
ttatttccct gaaggccaca tggagcagct cgaggcatca atgcaccaag gtttgagca 300
acagatgcct tccttcaacc tcccatctaa gatcctctgt aaagttatca acatccagcg 360

cagggcagag cccgagactg acgaagtata tgcgcaaata accttattgc cagaactg 418

<210> 13714
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A1

<400> 13714

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gttttccaat aaagttaatt ctctaacaga acaagtttcg agattggata ttgacgacaa 120
cgatatggga cttggaggta gtgaaacaat ggaatgcaag tgtggtatgc ctctgtgtat 180
ctgtgtagct cctcccaaat caactgataa accaaaccca cctgctacca ttgctcctgt 240
ggttcttcct cagttgaagt cagaggcttc agcaaaaagt aaaggttcca cttccagcag 300
caatgctaga tna gctctaa atgctggact agacaacccc caaagagact atgaaaccag 360
tngggaagga ttaagagaaa cc 382

<210> 13715
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-E5

<400> 13715

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gaagttttga gctggctgtt ttagcttttg tgctgtttgg ccataattga tgcagccttt 120
tttagaaaca tagtacaat atattatatt tgattcttga ttgttttggc ttacttttgt 180
ggatgttgtg tgatcatcgt tcaaggcttc tttcttctat tatgcgcctt gattcatctc 240
acaaaacgcg gaaccagcag ctgtttgaga gaggttaatt atgtcagata gatgggctcg 300
acaaaacgcg gaacgtcctg caactacttt ggctgagaga agaaatgtga ataaaaacgt 360
ttcacttcag actgggtgaa gagttttcaa tggagtttct taaaggatca tactcctgtc 420
caatccccta tcgttg 436

<210> 13716
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-E7

 <400> 13716

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 gcgtccggan agaagccatt ttccgttcca tcaagtctct tagccagagt gatggaagat 120
 ggcgctacag ctccaacaat cccgaatcaa gcacttttgc tgctggctta gcctatgaaa 180
 cgcttgctgg gagtgatttc attnagcacc ttcaagagtt tggttcatcc ttgattcaat 240
 ccggtgaaag acnggggtatc cctggaagcn tttctgacag tatccannnn tatgatgatg 300
 gggacatttt attttgatga gaagtctgtt gatgcaagtc aaggcccgat ctcaacaact 360
 gcatcagtta tanagggcca cgtcatttgc agcttcagaa tccacaggat tgaaccttcc 420
 aggtgataag atanttggtc tggccaaatt cttctgggtg ttggaatccc tggtgatgcc 480
 aaggacttct tcaaccaatn gatgcactan g 511

<210> 13717
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-018-Q1-E1-E8

 <400> 13717

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 attcgcttgc tccgacgata tctccaccaa tgtcgccgcc gctgagcgat tagtcagaga 120
 agctcagct aaaggagcta atatcattct tattcaggaa ctttttgaag gatattactt 180
 ctgtcaagca caaagagaag acttctttaa gcgagccaag cttacaaga accatcctac 240
 cattgcaagg atgcagaagc tggcaaagga attgggtgta gtgatacctg ttagtttctt 300
 tgaggaggca aatactgcac attacaattc gattgctata attgatgctg atggaactga 360
 cttgggaatt tataggaagt ctcatattcc tgatggacct ggttatcaag agaagtttta 420
 tttcaatcct gggaga 436

cattggtgg

489

<210> 13720
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F7

<400> 13720

ttttcttctc tcaacgccgt tgattcgcca tcgtcgtac cgattgtctt gaggtttacg 60
acttttggac taatctcttc tgtggagagc aatgactaaa actcgtggga ctgatatgac 120
aaagaaaaag ggtaaacaatg tttctgaaat ggatttcaag actcatcagc atactgaatt 180
tttcgataag ttgatagagc tcacgcctgc tagattctac ttacctgatg agacagaaaag 240
gaaatggtat ccagggtctta gcaaggctca aaaagctaga gccaagaaaa aaacaaatga 300
caacctaaag aaggcgaaga gagataagtt ggaccagag aagtctgctt tgacgactct 360
cgatttactg aaggagaaga tagagaagga aagattggct tcacagaagc agaagcntaa 420
gaagaaacac gccgg 435

<210> 13721
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F9

<400> 13721

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ggtgattggg tcaggagaag ccacgatcgt gttaggtcac gggttcggca cggaccagtc 120
agtatggaaa cacttggttc cacatctggt cgacgattac cgcgtcgtcc tctacgacaa 180
catgggagcc ggtacgacca accctgacta tttcgacttc gatcgttact caaatctcga 240
aggctactct ttcgattgat tgcaatcttg gaagatctca agattgagtc ttgtatcttt 300
gttgccact ctgtttctgc catgattggg gtcttggtt ctcttaaccg tctgatctc 360
ttctccaaaa tcgtcatgat ctccgttct cccgagatac gttaacgatg ttgantanca 420

angtgggatt ccaaca

436

<210> 13722
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G1

<400> 13722

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cgcgtccgct ctcttgcaac ggcgaaatccg ccgtcgcaat ctgcgatact tataactgga 120
atctctcgctg acgatctaaa gtaccggaga aacgtcatcc tcctaagctt cgggttttca 180
actacgacga actcgccgtc gctactaacg gcttctccgc caataacttc ctcggaaaag 240
gaagtcacgg cagagtttac aaagcagttc tcgacgacgg aaagcttctc gccgccgtca 300
agagaacaac aatcaccact accgttggta ataacaataa caacgtgagt caggtagaca 360
atgagatcga gattctttca cgggggttcgt caccgttgga tggtaactt aatcggttac 420
tgcgttgacc accggaggga aaaacaaaag ctgttagtcc gtcgaagtac atgcctaacg 480
gtacgcctca cgatnagtta cattctcggt agttcggt 518

<210> 13723
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G2

<400> 13723

ctttaccagc tctgaccgat ncaactatccg gttatatgat gtcgcctcac gntggcgatc 60
cnatgatcct aatctcatcc angagcccat tatcgacagg ttgantgac 109

<210> 13724
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G7

<400> 13724

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ttcttctcca atttctcatc gaattcctca tttcctctct gattttaaca atcccacttc 120

aaatttcctt ccgaaatcca aaacccatct cccaaaatct aatctctcca ctttatcgaa 180

ccatagcctc tacggcacca agaacagagc tttctataaa aacaagagaa acccttataa 240

cagaacacaa gctctcggtc gattcgattt cggaagtctc gaatcagttc tcgaagcttc 300

cgctgttctc actgcgatca tcgtcgtaca cgagaccggt cacttttttag ctgcttctct 360

tcaagggtatc cgtgtgagta aattcgcgat aagggttggtc cgattcnact aaa 413

<210> 13725

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-G9

<400> 13725

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ctcctcagaa gattgaaact ggtcatagcg acactattca tgatgtgggtc atggattact 120

atggaaagcg agtagcaact gcctcgtctg actgcacgat caagataacc ggagtaagca 180

acagcgggtg atctcagcat ctagctacct taaccggtca tcgaggtcct gtctggcaag 240

tcgcttgggc gcacccaaag tttgggtcac ttctcgcttc atgttcctat gatgggcaaa 300

ttatattatg gaaagaaggt aacccaaaacc aatggacaca agctcatgtc ttcacagacc 360

acaaagtatc tgtcaactct atcgcttggg ctctcatga acttngactc tcccttaact 420

tgcgggagc 428

<210> 13726

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-H11

<400> 13726

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 tgcaaggaac cagtctccca tgttggtgct cgtccttccc caaatgacat tctcgagtgg 180
 cattatgtgc tggaaggcag tgagggaaca ccttttgcag gtggatttta ctatggaaag 240
 atcaagtttc ctcccgagta tccttacaag ccancaaggg attacaatga ctacaacaaa 300
 atgggtccga ttccatgaca caagaagaaa aatttggtta accnaatgaa ttggattttc 360
 catccaaaaa aagcctggga atncnnatgt tgggcccggta tccaaagcaa tactttanaa 420
 gggncctttcc cccaaattta aggaangggg aaccaattcc cgg 463

<210> 13727
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-H12
 <400> 13727

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 ttgctacacg gaagataatg tctttgattt tcgcacagat gatggccaag atgttgaagg 120
 cttgccaact gaaggggttg agattacgtg tttccatctg gatggatcac actatatggt 180
 ctacacacct tcagatccac ttctctttgt tgctgctaag gatcaaaatg ggctgctgca 240
 aatcgctgat gatgaactct tagacgatcc agctgtgatc agcgccatag acgaggaaac 300
 cgaattcaat gccttggtgg aggaagaggc ggctctcctg gaatcactgc ttggggaaag 360
 aatttgatgt tttcataggg actacntagc tttctttttg tantccataa ntgcaatgcc 420
 atgtaatcct aaattttctc ctagnaaaac tcatttttgc cttttccaaa tctcccentg 480
 ttgacaaatt gggttc 496

<210> 13728
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-H8

<400> 13728

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gttatcttct ctagtgatag attcgtatg tgtaacttgg aaattggaat agtcaaactct 120

ctgtgacata taatgctgat aagagtgttc aatgaatcaa gtatttatca ggttttagat 180

gatagagtgc gaatctaact catgtagtga cttgggttata tgatgggttag aaattaacaa 240

tgaagtttcc tgtgtattga tagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aannaaaaaa nagnaaaaag gaannannga ngnnnaanaa nnaaat 356

<210> 13729

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-E2

<400> 13729

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gcagtttgta cagctgcaag agcctcacca ccaatatctt caacaatcag cttcccataa 180

ttctgatttg atgcttcagc agcaacagca gcaacaagcg tcacgccatc tcatgcatgc 240

tcaaacacag attatgagtg agaatcttcc gcagcagaat atgcgacaag aagttagtaa 300

ccaaccagct ggacagcagc aacagctaca gcaaccggac caaatgcat atcttaatgc 360

tttcaaaatg caaatgggc atcttcaaca gtggcagcag caatcagaga tgccatctcc 420

ctcgttcatg aagtcagatt ttactgactc aagcaacaaa ttgcaacaa ctgctantcc 480

cggcttctgg agatnggaat cctttgaatt t 511

<210> 13730

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-B11

<400> 13730

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 gccnacngt ccgcaattct tttcaacggt caagtcttac atgagcttta tcagctcagc 120
 atcgatatcc gcacgaaaa acatcgatgt ggagatgaat gggagatgtg aattgctttc 180
 caaggctatg tctgcattga ctggaagcaa aagcagccaa tcacgaggat taaaaatgac 240
 catgttgtca atgggaaaga ctttggttga gcagaagagg caaggttcaa ggatgatgtc 300
 attgaagcaa aagaaagagt tgggtgtggc tatggtgaaa tggactcgaa tggttataac 360
 attccgtaaa gagtgtcgcc gagaagagag gaaagtcgat tgatgaatcg tcttacggtc 420
 ttgatgttga tgttaatgcc agcattggaa gttcaatgga atgatggctc ctentcatcc 480
 gataatgaga agttctcaaa aca 503

<210> 13731
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-B12
 <400> 13731

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 ccncgcgtcc ggttnantgc aaagggtgat tgtgatgagc aaaagagtgt ctgtactaaa 120
 tatggtgtta gtggataccc aaccattcag tggtttctta aaggatctct tgaacctcaa 180
 aagtatgagg gtccacgcaa tgctgaagct ttggctgaat acgtgaacaa ggaaggaggc 240
 accaacgtaa aattagctgc agttccacaa aacgtggttg ttttgacacc tgacnatttc 300
 gatgagattg ttctggatca aaacaaagat gtcttagtcg aattttatgc accatgggtg 360
 ggccactgca aatcactcgc tcccacatac gaaaaggtag ccacagtgtt taaacatgaa 420
 gaaggtgtng tcacgcgcaa tttggatgct gatgcacaca aagcccttgg gcgagaaata 480
 tggactnaag tggntcccn acaatnaaat tcttcc 516

<210> 13732
 <211> 319
 <212> DNA
 <213> Arabidopsis thaliana

<400> 13734
gagacaaaaa tccttcgcaa tcgagcaacg gaagctcctg catccaccgt ccaaattctct 60
tctaacgtcg ccggagatcg gtaaaccggg tcttcacccc gtattcatct cttattgaga 120
tcgttgggga agtagagaat ggcgacgttt gagctgtaca ggagatcgac gatcgggatg 180
tgtctgacgg agactttgga cgagatgggt cagagcggta cgctgagccc tgagctagct 240
atccaagtcc ttgttcaatt tgacaagtcc atgactgaag ctctggagag ccaagtgaag 300
accaaggtgt ccatcaaggg acacctgcac acttacaggt tctgtgacaa tgtctgggac 360
cttcatatta caggacgcaa tgttcaagag tgacgatcgt caagagaatg tgagccgggt 420
gaagataatg gcatng 436

<210> 13735
<211> 511
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C2

<400> 13735
nntgngnnnn nggaactgtc tccttntcgt gccgtccgaa aattcanggg tcgncccacg 60
cgtccgggttt aaaacaaacg ttaaaccata ttcccagaga aagggcacgc tagaccccg 120
cctcgaagct gctgaagcag cgcgacaaat tatcacctg aatcaaaaag gtggcgctaa 180
tttcaagaca ttaaacgaag ctatcaagag cattccgaca ggaaacaaga accgtgtgat 240
catcaagttg gtccttggtg tatacaatga gaaggtcaca atcgacatag ctcgaccatt 300
cattacattg cttggtcaac ctggtgcgga aacggtcttg acttaccacg ggacagccgc 360
tcagtacgga accgttgaga gtgcaactct tatcgtctgg gctgaatatt tccaggcagc 420
tcacctcacc attaaaaaca ctgctccaat gccgaaacca aggttcacag ggacaagctc 480
taacaatgan gatnaacgt gataaaggca g 511

<210> 13736
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C3

<400> 13736

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ccgcgnaacg cntgggcgga cgcgtgggct tgcttctgt tattggtggg gatgctgctg 120
ttgagaaact tttagacgta ccactacaag gccacactga ggaatgccct gatcagttcc 180
agttcgtgtc tgctgttggt gacaaacttg gatatgaagt taaaatgggtg aaacttacag 240
gtagaattgt aaacacttat tatgcaagtc tatgtcttgg caagcctggg gacattgagg 300
ctatatgcat tgattcacgg ccatcagatg ccatcaatgt tgcaagagca tgccaggctc 360
caatatatgt gaacaaagca atagtgtctg aagaggctat caaaattgggt tatggaggca 420
gaccgcagag cgcaaagcct gttttcaatg ttatccttga caacgctccc gatggaccaa 480
attctttatc cngaagagcn taaattag 508

<210> 13737
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C4

<400> 13737

nntggnnnnn ngnaactgtc nccctgntcg tnncggtccg acattcangg gtcnccac 60
gcgtccgcaa ggctacttga aaaagagcac cgggcttttg ccttggtggc tagaggggtgc 120
atgtcttcac ctattgaaag ctgtatagct gatgccatta gagcttccag tactgataat 180
taccagtag aaagcatctt aaacacactc gagaagagag atcggattgg tcgaaccct 240
tcttattgggt cgagtactgg gcaacacaaa actacggtgc ccgaatcact tctttacaag 300
ttgattgggtg atttgtgtct cattactgaa gtcagcatcc atcctttcca agcttatttt 360
cagcgcggtc atccgatata ctcttcacat tatgttcgtt tccggttggg tcacgaaaag 420
gacaattcac ctactacaa caattcacag gataaaaaag gtgagccaag aaagagttca 480
attgaaagca actatgtatg ggacttacac 510

<210> 13738

<211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-C5

 <400> 13738

 agtcgttttc tttcctctcc ccactttttc agcgtttctt agatctctct ctctctgcaa 60
 atattcacca ttgtcttctt cttcttcaac gacgcttttg gattttcttc tctaagcaat 120
 gaagtcagga agttctacat tgaatcctta cgcagcagct tatgtaccac tctcgaaaag 180
 agaaggttct ttgggttgata caaagcctgt cacacaacaa cacatgcagc agcagcacca 240
 ccagcaacaa ccttattatg ggtatggagt tcaaggaatg ggaagttatc aaggaactca 300
 aatgtcacct aagaagtcac catctgagat ggtatacaat catcagctga aggatgagga 360
 tttggagatg gacatggata ttgagtatct attagctaca taccctgggt cttcacaaga 420
 gtctatcaat gng 433

<210> 13739
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-D11

 <400> 13739

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 tataattgtg taatccttag ggttttgctc gcgatttctg gtactattag gtttccgtcg 120
 atttcttcgt cgggataaaa accctcttct tcgccggagg gagaacacgg cgagaattac 180
 acagctatcc ttcgaattcc gtcgctggtt agcttaggac tttctgattc tgcgcttta 240
 atctttctct ctccatgaca caacgggtat tccaagtctg gaaaggaagc aataaattca 300
 tcctgggtgg gagattgata tttggaccag atgctangtc actgcctctt accttgctat 360
 tgatcatagt tccggttggt ttgttctgtg tanttgtanc aaggnacctt cgcaatgaat 420
 tctctcccta caatgcggga 440

<210> 13740

<211> 509
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-D6

 <400> 13740

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 cacgcgtccg gttgaagaat cagatgaagc aagaaagaag ttcacaaacg caaagtccat 120
 atcttcagct cagtactttg gggatcagaa caaaaacgct gatctggaat caaaagctac 180
 gcttgagata gatgctgagc ctgcaaactt ctgaagcgct gattttttacg gtcacgacca 240
 agatgattcc aatattgata taacagctag tgatctcatt aaccgacttt ctttccaggc 300
 gcaacaagat ctatcgctgc tgggtgaacat agcaggagaa acaaagaaga agcttggaac 360
 tttggcttct ggtatcttca gtgatattca agacagaatg ctgtaagaag accacgagtc 420
 tctcacatgt ttttgatatt gacagagaaa aaaaagtaag aaagaagctt tgtcggaaaa 480
 cttccaatga nggtcaagtt tctctgttt 509

<210> 13741
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-E10

 <400> 13741

 ngggngnntn gagcattttc nnggtgntcc ggtccgnana canncgggtn gcngcccgcg 60
 tccgcccacg cgtcgggttc tcttctctcc atctgtctgc cgctccttta acgtcgggtc 120
 ccattttctt attcacaatg accccaagaa actcgaggag atggaaaaaa gcaaaaggta 180
 nnacaangnc aaaaagctt tcttcgagaa ccagagcaca ttgattccaa gattgaatgc 240
 tgtttctggg ggattagttt ctctgagttt tggatgata tcagattaac aggcagaatt 300
 ttgagaatgt cgacagtggg aaattcaacg aacatatttt ggcaagaatc cccattggg 360
 aaaactgaaa ggcagaagtt gttaaatcag aagggttggtg tgggtgtggat nacagggctc 420
 agtggctcag ggaaaagcac gttanccttg ctcgcttant agagagctga caaccggggg 480

aagcttcata nattcttgag ggngc

505

<210> 13742
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E12

<400> 13742

gnnnnnngaan gttttcggcc ncccgggccg aaaaccgggt cgaccacgc gtcgcccac 60
gcgtccgccc acgcgtccgc ggacgcgtgg gtgagtttga aaataaagtt tctgcttctg 120
cttgtcttgt atcatcatgt tgattctgcc tctatcgta agtttcttcc tggttttgaa 180
ggccctcttc ctttcgaact tgaaaccggg tacattggta ttggtgagga cgagaatgtg 240
caatttttct actatttcat caaatctgaa aacaatccaa aagaagatcc tcttcttata 300
tggttaaagtg gaggacctgg atgttcttgt cttggtggta ttatttttga gaacggaccg 360
gtgggtttga agtttgaggt gttcaacgga agtgctcctt cttgttctc tactacatat 420
tcatggacaa agatggcaaa cattatatcc tggattaacc aantaggatn tggcttcccc 480
aatcaaaaaa atccaat 497

<210> 13743
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B10

<400> 13743

actgtctttc ngntcncccg gtccgganaa naacgggtcg nncacgcgt ccgcaanaaa 60
atatcacagc aaaaattttc tcgagaaaat ccgaagaaga caaaaaaat ggcggatcag 120
ctaaccgatg accagatctc cgagttcaag gaagctttta gcctattcga caaagacgga 180
gatggttgta tcnccacaaa ggagcttggg actgtgatga gatcacttgg gcngaaccg 240
acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa cgggacaata 300
gatttccng angttcctga acctaatggc acgttnagat gaaagacact gattcagagg 360

aagagcttaa ggaagccttc anggtttttg accagggacc agaaacggtt tcatctcggg 420
 cggcttgaac cntcgtcccc gtnaatgncc aatccntggg gggannaagt ttnaccngg 479

<210> 13744
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A1
 <400> 13744

tcatgaaatt cgccgtcctt tcaagcgacg acctatctcc gatcaacaga aacgccgaga 60
 gctttctctt atcgtcagac tcagcatcgc agtgatgctc agcagcgagc ccgaaacctc 120
 gcctcttcct taatctcgct ccaatcctcc tctcccgatg tcgaccaga gatactatct 180
 gaagccgtgc ctgagcttgt aggaaccgaa tcggaatcga gtagctttga cgttcgtcaa 240
 gcttcgagggc tcagaggacc tgaggcacgc aagtgggttcg caaagcagct aatgttacct 300
 gaatggatga tcgacgtccc tgataattta agccaagatt ggtatgtgtt agcaaganca 360
 gctgggaaaa gatgttttgt agnttcaatc tgatnggaac aactgggttag tagagttacg 420
 aaatgggtcc actttgcnac cttttccctt ccggna 456

<210> 13745
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A10
 <400> 13745

nnngnggggt nngagtgggc ncctgggtct accggcccgg acatcccga acgaccacg 60
 cgtccgaaga agaagaagaa gagcttcaag aagacaaata cactatTTTT tatcgtctgc 120
 aatgccctta ccccttgaag agtttcaagg gaaggggatt tcttgtttct cttctttctc 180
 gtcttccttc ccccaaccan cgtcgtctcc gcttttgagc caccgcaaag caagaggcgg 240
 cgaagaagaa gaggaagaag ttcccgcggc ggagcctacc tctgttctgg actccctcat 300
 aagcccaacc tcttcctcca cgggtgtctt ctctcacggc ggaaacagcg ccgtcngagg 360

cggcggcgac gccaccaccg atgagcaatg cggagccatt gggttgggtg attgggagga 420
 gcaagttcct catgaccacg aacagagcat tctcggactc atcatgggag attccacaga 480
 ttctctcttt ganctcaaca agcattctcc aaacatctcc c 521

<210> 13746
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A12
 <400> 13746

tccgcttacc cggngttgcc cntccggtga cattccaaag ggtatttcgg taactaattc 60
 ngctc 65

<210> 13747
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A2
 <400> 13747

tcgnnntcng nnattttenc neetttenent ttcanncgnc nnnenncgcc gcaatcttct 60
 tcatcggcct ccgtttetaca tcgacgggtgt ttgccgtaac ttctgtcaaa ctctcagaat 120
 ttgcttaagt ataccaccta actcgagacg ctatgaccgt tttctcagtt cagtccacta 180
 tcttcagtcg agcctccgta gctctttctc cgagcaatgg cttcaaacga ttttcattcg 240
 tttcttcggtt ttcttctctcc gccgcttact ctccacctaa aatgaggaag cgtcgctaac 300
 caatcgcttc tgctgttgat attgggtggcg tcccaatcgc taaaaatgat gtggtgagaa 360
 aaggatgatt caacaaataa tgtncctaaan tcgatttccc cnaactaaga atgcagctac 420
 aca 423

<210> 13748
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A4

 <400> 13748

 ncagcngnng cnannnnngaa gttttggggtt tttgggttat caacaatggt ggaagcaaaa 60
 gatcaagata tgggtgatgg tatgcaatgt ataaaccatc catttactaa aaaccaggt 120
 gggatctgtg ctttttgtct tcaagaaaag cttggaaagc ttgtaacttc atctttccca 180
 cttcctaaac acctcacttc ctcttcaact tcttcttctc ctctcttcag atctgactct 240
 gttgggtagc acaaccactg cctctgccgc aaatctctca acgtctcttt ctctctctgt 300
 ctccgggagc aacanaacaa caacaacagc aagcttccgg tttttgttag cctaaagaaa 360
 gaaagaagaa agatgggnta cnngentcct ccctctccn tccgaacaan nggna 416

<210> 13749
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A5

 <400> 13749

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 tccgttgtct acgtttctgg tgcttcccc gaaatcccca tttctcaggc ttctccacga 120
 atgggagctc aatccccagg acctccatt gttaaagtgg tgcttcgcca ggacttgaac 180
 aagaagattc taattgtct ttagtctca tcatctctgc tctgtgtcac agtcatgttc 240
 cttgtgtatc tcttgctatg gaggtacagg aatatgaaga acagcttcac cggatatcaaa 300
 cgcaaatecg attcggtgaa gaggtaacc acgaaaccga ctgtacacaa gattgattct 360
 gtgaggaaaag gaaccatccc tgtgtatgaa tatcaattgc tggaatctgc aacaaacaag 420
 tttagtata gtaatgtgtt gagccgangt ggtcgtggat gccnttaana gagcttgtcc 480
 ccaataaaaa atcccaanc cg 502

<210> 13750
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A6

<400> 13750

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natcctnagc agggagtggn nngcnaanga nccaganggn ccgcnnnnnc tccttgacag   60
cggacgtact ctaggatccc ccgacggtgt tctcatcaat gggaaatctg gtaaactagg  120
cggaaacaac gtcctctctt tcaccatgaa gcccggaag acttacaagt acaggatctg  180
caatgttggg ttcaaatacca ctcttaactt caggatccaa ggacacaaga tgaagcttgt  240
tgagatggaa ggctcccacg ttctccaaga acgactacga ctctcttgat gtccacgttg  300
gacaagtgct tcgcccgttc taagtgaccg ctgaccaaag tggccaagaa actactacat  360
nggttgcatc caactaaggt tctcaaagaa aggaanttga ancactgttt ggggtgtgatg  420
angnctaacy aaagggaagc aacnnttca                                     449

```

<210> 13751
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-A7

<400> 13751

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cagaagaaat gggacaacat atgccaaagt atccatcaca ctccggcggt tcctaaactt  120
ggttttcagt cggtgagtcg gcagttccca gttcagactg agaagagtgt gagaactcct  180
acaagctatt tggagacgcc taaactgctg aatccgccaa tctcaaagcc aaaacctatg  240
gaggatctta cggcatcggt gactaaccgc acagtgagtt tgcctttgag ctgtgttact  300
acagattttg gggtgggagt aatctatgca tccaaaaacc aggaatcaaa aacaacgagg  360
gagaaaccga tgctgggtgac tctaaactct tctttagaac atacatatca agaaagattt  420
caagtctctc agagaaatac tcctctccgt aaaagttgcc tggcaagacc cgaagctggt  480
aatgccataa gncaaaatta atctgcgggn g                                     511

```

<210> 13752
<211> 543
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-B1

<400> 13752

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ctgttttggg tgatcgatta agctaaccat gtcttataaa ccaagcgcgga agactgaggt 120
tcgccggaac aggtataaaag tatctgtgga cgccgatgaa ggtcgccgga gacgggagga 180
taacatgggtg gagatccgga agaacaagag agaggagaac ttgcagaaga agcggcgtga 240
agggttttaat ccttccaatg gcgtcacaag ccaagggcaa aggattttct cctccgtctc 300
tcccctaacy ggaaaccaag aattggngga aattattaca aacaagaatg aattgcctgg 360
ggagttaaata gttcaanaan gggattagaa gacnnttach aaattttgga agggccnaaa 420
cgggggctaaa cctttccang ggagaaattg gcctttcaaa ntttgaagcc ccaaaaatcc 480
ctncccaaat ncaaattgga aaattttngn ttccaaaacc ccnggggggt tttgtttnc 540
ccc 543
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<210> 13753

<211> 54

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-B10

<400> 13753

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<210> 13754

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-B2

<400> 13754

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gtcnntngcg cttcctccta cgccgatgag cttgttaaga cagcganaac tattgcgtct 120
```

cccggacgtg gaatcttggc gatggacgag tcaaacgcga cttgcgggaa acgtttggat 180
 tcgatagggc tagagaacac tgaggcaaatt cgtcaagctt tccggacttt gctggtctct 240
 gcaccgggac tcggacagta cgtctccggg cgcaaattct atttgaggga agactctgta 300
 ccaagtctac caccgaaggc aagaaaatgg tcgacgtccc tcgtccgaac aaaaacaatg 360
 tcccctggta tcaaaaagtc cgacaaaggg tttggtggcc actttgttgg gattcaacaa 420
 tgagtcatgg gtgncaaagg gactaaaatg ggccaacatc ccca 464

<210> 13755
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B5
 <400> 13755

tnntggtttt ctggccccca ngtcnggaaa cccgggtcgn cccacgcntc cgctcaatca 60
 cacacaacaa caagaacaag gacaagcttc tacatttctc ttaacataac agacagtttt 120
 tgatctgggt tttcaagtcc ggtgttgatc ccattgagtt tcggatctaa aagatccgaa 180
 tattcagacg gatcaacaag agaacaagaa aaaaaaaatg aatcttgaga atgttttgga 240
 attcaccagc tttgattact ggtttaattg gagagtgtta ctatgtgcta tatgggtaat 300
 agttccaatg attgtttctt tattagtctt atggaagtat gaagatagtt cagttcaaac 360
 tcaaccatca cttaatggta atgaagtttt tgtgcaatga tgatgntttg gagaccttgt 420
 ttttgaacga atccaatccg gggttggggt ggntggggtt tccgggggtcc cccggggttt 480
 gtttcccntc cttgcnaaan naaataattg gcccgggggtt 520

<210> 13756
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B6
 <400> 13756

ttcnnnantic nnnannnnnn tncgttttct acctccaaac cactcgtctt cctcaacttt 60

caaactcgtc ttacgtcgag atcttccgat gtatcgggtca atctcaagaa gaagaataat 120
 ccgtggctcg acccgtttga tagcgggtgaa gacccggata acgaatacgg gtccttggtt 180
 gccgacggaa aacaagacga ggatccaaga ccaccggata atcctgataa cccttacggc 240
 ttcttgaagt ttccaaaggg ttacaccgtc gagcttgctt ctttaccgtt gaaaatcaga 300
 ggagatgtta gacgatgttg ctgcgttatc tccgggtggcg tttacgagaa tctactcntt 360
 tcccgactat tcagetaatc aaagacaggt atcctgg 397

<210> 13757
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B7
 <400> 13757

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 ataattcttc agagctgttt aagttcaaca acaatttgat taagagaaaa ccacataaat 120
 attaattagt gtaacgaaaa acacaaaaca aatatgtcgt acggatacga cgatgaatcc 180
 aagaggaaga ggaggtacat tggtatcacc atctcctctg ttcttttgat ctcgatgggtg 240
 gttgcgggtta ccgttggtgt cagcctcaat aagcatgacg gtgactccaa aaggtaaagc 300
 aaaaggtaaa tgcttccgtc aaggccgtca aaggatgttt gtgcaccaac tgattacaga 360
 aaagacttgt gaagacactc ctgattaaga acgggaagaa cacaaccgac ccgatggaat 420
 tnggtaaaac tgcntt 436

<210> 13758
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B8
 <400> 13758

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 atcgtttcag ctcatgtgaa gcttaagcca actttgcctc agattgaacc tccacaaacg 120

ttgaaggatg ttgaacctta caccgttaaa gtagtgatag tctttgtgtc cgacctcgag 180
 aaagaatgtc ccaagacaaa taaattcaag gctttctttg agaaacttag ggcattcgcc 240
 aagtatgtct gcccaataaa aagaaaagac caagtagatt acgaccgaga catgaaggcc 300
 aaggctggag gcctcttcca agtcatatct tcttttgccg attgggaaaa nataanaaaa 360
 ggaaattcaa gaaggataaa atgggaaagt taataatacc nttaaagttt aatgagaatt 420
 ccttgcgact aaana 435

<210> 13759
 <211> 129
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B9
 <400> 13759

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 aagganatgt tccttcngta gtgttaaaga nagagcttat cctaccanat ccggattant 120
 cacatcatg 129

<210> 13760
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-016-Q1-E1-H9
 <400> 13760

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 gtctttacgg tgctacgcac actctctaca atgtcgatgg aggtcatcga gccattgtct 180
 ttaaccggct tgttggtatc aaagacaagg tctaccctga ggttactcac cttatgattc 240
 catgggttoga aaggccaatc atctatgacg ttcgtgcaaa gccttatcta gttgagagca 300
 catctgggag ccgtgatctc cagatgggta agattgggct tcgggttctc acccgctcta 360
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tgccttctat catccacgag a

441

<210> 13761
<211> 715
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G7

<400> 13761

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cccactgtta acagggtttaa taccctcccg aaccctcgat taactataca agacgcaatg 180
ccacacatga ggagttggtg gccacaatgg gatatcagaa agcatttcaa tagcggcacg 240
tgttctaata tgaaagatgc aactcttctc tgtgaacgaa ttgggtcgccg tatagctgaa 300
tgcaagggaa agcctactca acaggaccag actttaatac ttcgacattg tcacacctcc 360
aatctcattt ggatagcacc aaacatcctc tcacccttgg agcctgaaca tttagagtgc 420
attatgggat atcaatgaac acacaaacat cngtggtgga aggttngctg aaagattgaa 480
attgtttgat tactgcttcc aaacagacac attggggttac atctcccgta ctcaagtcaa 540
gttccccaag gttaaaattt tacaccnta acnggattgg ggtgcgnaat tcattggncc 600
ttttggaacc accaaaaggg tanccngtaa acccgtggnt naccctaaan acgaaaaatg 660
gggaaattcg gaaaacgtac cangaattna aaatcaaact taggaaangg gggnc 715

<210> 13762
<211> 626
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G8

<400> 13762

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aaccctcata tcgccgtggt ttctcgctct agtaccgcga gctcggacga accaggaagc 180

aatccgttaa tctagaagcg gtgttgagaa gatgacgatt acatcaaata tctctgtaca 240
 gaacgataac ctcggttggtc aagggaagac tatecttacc aaaatccctg acaacattat 300
 cctaactccg gttaccggta atggattccg tttccgggtc aattatange gccacgtttg 360
 aacaaagcaa gagtctcat gtgttcccca accgtgtant gganggtcct ccgttcaagt 420
 gctgtttccn ggnttaaagc taaggggtggg atgactcaag aagaatnggg aaanctgttg 480
 gnaaaagaca attccctttt ggnngaacac aagtttaaag gctaactggg aaaagcaaag 540
 ggattaangg ntttaaaggg gaaatggggg gaatnaatgc cncccnaacg gggtttaaaa 600
 accggttctt tttcncctt cncctt 626

<210> 13763
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G9
 <400> 13763

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 tcttctgtt atcttcaatg ctttgcaaac cgatccggat ataccaggat ttgaaaacac 180
 gttggtgact tgcttggaga ggttggttaa gactaagtat ggcgcttcac ttattcctca 240
 gtatatgect gttctgcaag ttggtctcaa ggcagattct gcagttgtga aatctctggg 300
 cttgcaaaac tgttctgtgt ctcttgaggg attgcgatac aaacgacgtt tcttctgttc 360
 agctagttgt taacaatgga tatacctctt tctacttgac tatatcatta acagcgatga 420
 tgaanttgca aatgctgcaa g 441

<210> 13764
 <211> 771
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H1
 <400> 13764

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 gatcaccata ctatgggttca tcttacttag actacctctc tctcccaaac ccacatctct 180
 gtttctcttt catcgctgctc ttcttcgtgt tgccttcac atgggtacttg aacttcgagt 240
 ccatcatcga agacaccctg gaccacctca agctcgtctt tatattcacc cctctcttcc 300
 tctctctctc cgctccacttt ttctccgggtg gctctctctt ctacgtcccc tggcctgaac 360
 aagactccat tcaccgtgct gggttcttccc cttggggcgt agcagccgtg ctctgtgtca 420
 tattgttcat gggttcgtac cagtcagatt tccaggagan gtgggttccc tttggggcta 480
 agtanatnaa tcaaagttta tgatgaccaa gctttagtta ttctccaagc tatatatggg 540
 aacatccaat gggttaatat caaaagtanc ctggaagtta atcctgggta ataataagaa 600
 ttantttana aggttatttt ttctttaaac ttttaagncc tttccaaggt tnaaacttta 660
 aaatttaaaa nnaaggtttt ttgggnaaat ggaaaaactt tttttttcca aaaggggccc 720
 ttaannaann aanaantttg ggttnnaang tttccttta aannaaaang g 771

<210> 13765
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H10
 <400> 13765

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 tacagaatga ggtgggttcaa agcactatga agattgggga agcaagtacc cgtattaaac 120
 aactggagga gacactggag gctatacaac ttggcagaca gaatgctgta agtgaggctg 180
 cattagcgaa agagaaatct gaggtctctca aaacagacgt gaagagaatt gaagtaatgc 240
 tcacttttggc caggaggag aaagaacagt tgaaagctgt tggttaatgaa ttaagggaagt 300
 caaacagtga aggatctgtg tctggagccg cagatggagc ccttaatcaa ggggttgaat 360
 cctctccttg caaagaaagg agaactatat taaggntttt agagcaagga tntaaatcaa 420
 ctgaaaggat ntcaa 435

[illegible]

<400>	13766
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<210>	13767
<211>	726
<212>	DNA
<213>	Arabidopsis thaliana

<400> 13767

6688

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 ccgattgccc aaactaaatt atgtattgac aacattccaa ttaataaaaat aagatgtctt 360
 aaaaacaann naaaaaaaaa aanggnnggc gtcctaaaag gttcaaacct acgtncgcnt 420
 tcaagccacg tcatanctcc tccaanagtg tcanctaaan tcaantcact gggccgttcg 480
 ttttaaaacg tcnttgactg ggaaaancct gnggttacc cacttaatcg ccttgcaaca 540
 aatccccctt ttgcgaaact ggggttaata ccaaaaaggc cccaccgatt gcccttccaa 600
 aaattgcca cccnaatggg aaatgggacc cccctgtncg ggcataacc ggggtntggg 660
 gtaccactn acgcnaatnc aagccnagcc gcccttctn tctccttcc canttnggtt 720
 ccctaa 726

<210> 13768
 <211> 706
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H5
 <400> 13768

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 catgagaacg cttacggatt agctagatac gctgttatct gccaagagaa cggctcttgta 180
 ccaattgtcg agcctgagat cctagtcgat ggatcccatg acatccagaa gtgtgctgcc 240
 gtgactgagc gtgtccttgc agcttgctac aaggctctta gcgaccacca cgtcttgctc 300
 gaggggtacac tcttgaagcc taacatgggt actcccggat ctgacaagcc ccaaggtttc 360
 acctgaagtc atcgttganc anaccttcg tgcccttcan agaancgtcc aacaagctgt 420
 tcaancaatt gcctcctaac tggaggacaa aacgangaan aactacaaga acttgaacgc 480
 catgaaccan ttnaagacca agaaccaang gcattgtcnt tccaatcgga ctncgttgca 540
 acagtcaacn tnaanacatg gcaggttaan agggattca nggaaccaan aggttnttn 600
 ttagggcaag ggaatctgaa ccaaccgaa ctaaaggngc ccnaacttgg gtgggcaant 660
 naaccttccg ggggggtaan tttggcactc ccggttaatt ggnttt 706

<210> 13769
 <211> 660
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H6

 <400> 13769

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aatcaatgaa gatttctaca ggcgtactct ttctgggtggt gttatcacc tcgcctcttc 180
tattgtcatg cnaattctct tcttctccga gcttcagctg tacattcacc cggttactga 240
gactcagctt cgtgttgata catcaagagg agagaagcta cggattaatt ttgatgttac 300
attccctgcg cttcaatggt ccattaataa tcttgaatcc atggatatca anttgggaaa 360
agnancntga tgtncgacat gacantaatt aaangngatt aaacnctcct ngnaatgtca 420
tccaaggaaa acaagacgga attggcatatc taagantgga aaaccttaca aaacatggng 480
gaaggttgga aacatgaaac atacgggggc cngttgggca aaactcaaat gagcttgtgt 540
atcaagtagg anttnnaact acgaanaaag tgggctccgg ccgacaacac attaaaaagg 600
ttggcaagga aataaaggag tgantcagtc tgattaaatg ggatttntcn ganttcacgt 660
  
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<210> 13770
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H7

 <400> 13770

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taaataantt g 71
  
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<210> 13771
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

<400> 13773

ccatccnaat aacctgggca ctaaggaaaa aggtttttcc tggattaacn attgtgcntc 60
caaaaaccaa tcccttttga 80

<210> 13774

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-E9

<400> 13774

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ttctgctggt gcattttacc ggacggagtc gacagaaatt cggaggcttt ttctagcaat 180
tcgatcgcca tggaagggat cttatcggag ctctgttccc atatcaaaaa ggtattggcc 240
ggaggtggag aggaagcggg taagaggaac agaagcagaa acaagctttt gcctagagaa 300
aggattgata ggctacttga tcctggttct tccttttttg agctctctca gcttgcagga 360
catgaattgt atgaggagcc tttgccttca nggtgggataa tcacanggat angaccaatc 420
catggacgta ttgtatgttt 440

<210> 13775

<211> 824

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-F1

<400> 13775

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gagtttgccg gatcatgttc aagatccaaa tctagtcggt gacgacgtta acagaagtgt 180
attcaatgcg tcaaggagga gcttggccta cctatcttgt agaaccggaa atcctattga 240
cgattgttgg cgggtgtgacc ctaattggga aacaaaccgc caacgggttag cagattgtgc 300

cattggatTTT ggcaaaaatg ctatcggagg gcgcaaaggt cgaatctatg tagttacgga 360
 tcttgccaac gacgattccg taaaccctag acctgggact ctaagatatg caatgacaca 420
 agaaagaacc attaagggtt aatTTTcaaa gaagagatat gggccattaa ggctcaaaaa 480
 aagaaactta tcaacaanat cTTTTcaaag aaccaattng aatggtaaaa agggctccaa 540
 ntggTTcaaa anttaaccgg aatggggccc aangccctta aaaggatttc caactaangg 600
 cnaaacntaa acaatccann aaatttccaa nggggaaatt taacaatncc aaaggaacng 660
 gTTTaaaccc aaggnnTTta anggggggca aangnnTTta aaaanaatng ggnccaaaaa 720
 tncaaaaancc gggngtgggt nggaattnca aatcccnaaa tggggaaaac cccggggggg 780
 gnaaaaantt tggnggggn aaaaaacctt tttgggnttt gacc 824

<210> 13776
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-F10
 <400> 13776

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 tcctagtctg gTTTTcttca aagaatatct ccgaagtTta ggagctcaag ttccgaagat 180
 tgagaaaact gaaagagatt atgaagataa ggctgagaca aaaccagtt tctctcctaa 240
 acatgatgat gatgatgatg atattatgga gtctgatgtt gaactcgaca actctgatgt 300
 agttgaacca gacaatgagc ctctcagcc gatgggagaa cctactgctg aagtgaccga 360
 tgaaaatagg gatgatgctc agtcagagaa gaacaaagct atggaggnaa tctccgatgg 420
 gaagTTtgac gaanct 436

<210> 13777
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-F12

[illegible]

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<210>      13778
<211>      92
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-016-Q1-E1-F4
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attgttacaa atgaacagct aatgcaatng ac 92

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<210>      13779
<211>      697
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-016-Q1-E1-F5
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cagatccttg	atgaccttct	taagcaacat	tcttagggaa	gaaggtggat	ttgagtataa	180
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<400> 13783
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 aggaagcttt cctcagatcg tctctccgaa attttccggg taatcgtcag ttaaggggaa 180
 aattaggcta tggcgatggt aggtgcacag caagttccag cagcagcttg tactccagat 240
 atggttgagg atgctttttgt gccccagtat tatcacatat tgcataatc acctgagcat 300
 gttcacagat ttaccaaga gattagcaag ttaggtcgtc ctgaagagaa tggtttaatg 360
 agcatcactt ctaccttgca agctattgac aagaagataa tggcgcttgg ttacgggtgta 420
 atcagtgcag agatagctac tgtggacaca caaagaatct catggaggtg gttataatgt 480
 actgggtgac tgggtatttg acgggaaaag acant 515

<210> 13784
 <211> 672
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-E6

<400> 13784
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 catcttatcc ccgaatcaaa gctgaactcg atcccaacac ggtagtcgag atatctgtag 180
 gcgtagcaag cgtcgcatta ggaatcgga tccctgtgtt ctacgagact caaatcgaca 240
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 aatgcagatt gtgtgtggga agtggtaatg tgaccgtana gcttggtgga ggagagaaag 360
 aantetcaaa ctgtatcaac tgtgatggtg ctggttcctt aacttgcaact acttgtcaag 420
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 tcaaangccg gttttggttt aaccaaacaa tgtttgagna naaaaatccn ggnaanggg 600
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<210> 13785
 <211> 689
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G3

<400> 13785

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 cctctattct ccggttaccg tctacgccgc gaagaaactc tcccacaaaa tcagttctga 180
 attcgatgac agaatcaacg gcgctctctc tcccgacgct gattcccgct tctcgcaccg 240
 ccaaaaggct ttagaggcag ctatgaatga cattaacagt tcatttggtg aaggaagtgt 300
 aacaagattg gggagtgtg gtggagcatt agtggagacc ttttcgagtg gtattttgac 360
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 aagaaagtan tggcaaagac caagctaagc aatccaangc taattgctga aattgcaana 480
 aaccttggan ggaaatgcaa tggccttggg tgaatgcaan aagcaatgcc ctttggattc 540
 aaaccgttat tccnaaaagc nattttaagg ggtttnaagg tttnaaaaaa ttttggaaaa 600
 tngttgcca acccaanant naatgggna aaaatnggg ttttanaaaa angggnaaan 660
 ccnnttannn ttttcccccc aaagggtn 689

<210> 13786
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G4

<400> 13786

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 gg 62

<210> 13787
 <211> 460

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G5

 <400> 13787

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 aagctggana aggagctaga gcaaacgttt ataagttgac caccttttac ggaaccgttg 180
 gagccatccc aggggtttgg ttaagcgcac cacaactaat taccaccaag gatacggcta 240
 agaccttact cgtcaaattc aaaaagggtg atgatgctac tacggctact agcaacttat 300
 acttcccggg ttgataattt aggtctaagg atgttcccg tctactaatc aactggtana 360
 aattagtgtg tattaanctt gagactcgtc catggcctaa aataatgaag ttattttcaa 420
 atttcaaaan cnannantcc aangcnantg nngaantnna 460

<210> 13788
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-E1

 <400> 13788

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 ggagaagaag gcctcaaagc ccgaaactga gaaaaatggc aaaatgggtg atattggtgg 180
 gaagattgta gcagcggcat cacgcatgag tgaaagggtt cggagcaagg ggaatgtgga 240
 tcaaaaagag acatcaaagg cctcgaaaaa accaaagatg tcttcaaagt tgaccaagag 300
 gaaacacact gatgaccaag atgaagatga agaagctggt gatgatattg atacttctag 360
 cgaagaggcg aagcctaagg tgttaaaatc ctgcaactcc aatgctgatt aaagttgctg 420
 aaaantctcc tgatgaagat gaaccctaaag t 451

<210> 13789
 <211> 503

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-E12
 <400> 13789

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 aagccgatat agatccttgg aggagaatth gtagcagacc gatctctgtc tgttgtctct 180
 gtttctacga ntctctgtgt ttgtcggaaa tcgtaaatta tgggtttgtg ggatgctctt 240
 ctcaattggc ttgcgcagcct cttcttcaag caagaaatgg agctttcatt gataggactt 300
 caaaatgcag gaaagacatc acttggttaac gttgttgcaa ccggtggata cagtgaagac 360
 atgatcccta cggttgggtt caacatgagg aaagtgacaa aaggaagtgt cacgatcaag 420
 ctttgggatc tcgggtgggtc aacctagttc ccancatgtg ggaacgttac tgccgttctg 480
 tttccgcaat tgtgtnggta gtt 503

<210> 13790
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-E2
 <400> 13790

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 ctcccatgcc gtcggattca tctcttctt gaatcgtttc acaacgattc gaactcgaat 180
 ggatagggtcc ggtggatcgt actctctctt aaaatccggt tcgaatttca gcgaccgagc 240
 acccactgag atggcgccgt tgtttcctgg ctgcgattat gagcattggt tgattgtaat 300
 ggacaaacct ggaggcgaaa acgctactaa gcagcanatg attgattggt atgttcaaac 360
 cctagctaaa attatcgga gtaggaaga agctaagaag aagatttata atgtatcgtg 420
 tgaaaggtat ttggg 435

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 atcaacctcn tcttcacctt ccccttgatg atnaatccag tgtttgagat agtggagaag 360
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<210> 13794
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13794

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 tccggcgcgc tgcgatcgcc cggacttccct cgcttctcag agctcgtctt ttcgcgnctg 180
 cctccgaatt ccattctcgc ttttctaattg gactatacca cttggacgac aaaattagta 240
 gcagtaatgg tgtgaggtct gcctctatag acttgattac aagaatggat gatagttctc 300
 caaagcccat tctgcgattt ggcgtgcaaa acttttcatc tacaggaccc atatcacaga 360
 cggttcttgc aatgccagcc ttgtctccta ctatgagtca tggaaatggt gtnaaatgga 420
 tgaagaaaga aagtgacaan ggtaaaaggt gggttgatgt nctaagtgan atanagacag 480
 gcnangccac t 491

<210> 13795
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-015-Q1-E1-F2
 <400> 13795

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 gatgtttctg aaagtgaatc aagaagagct tagaacaatg tgtcatgggc taaacgttca 240
 tgtgctgcct ttctttaagt tctatagagg agcagagggg taaagtctgt agcttcagct 300
 gcactattgc aactatcaat aagttcaana aancgttgga taancacggg attgaaaaat 360
 gaacccccgg gaatccaang gaattancca aaaaggaatc cccggttttg gnancgtttg 420
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<210> 13798
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-F9
 <400> 13798

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 tgccctcaaaa gccactcgct atgtacaggg atgtgatctg ctggaaggcg agtggggcga 180
 agttggaagc atactcttgt ggaaattaac tgttgatgga gagccaaaag tgtcaaagga 240
 tatgattgag gcgattgata tgaagatgaa tatgatccag tggaggggtgt tagagggacc 300
 tctgaaggaa gagtacaata ttttctcgaa aacgatgaaa gtaagcccta agcaaggagg 360
 gtctggaagt gtggtgaagt ggaacttgaa gtatgagaga attgatgaga aggtgggtca 420
 ctananangg 430

<210> 13799
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13799

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 ataacccgag tgctcgagaa ataccctgaa ttcagcacca tgaccgagct tcttgccaag 180
 accgagctca caccaattat caacaaacgt cagaccatca ccgtgctggc ccttaacaac 240
 gatgctatcg gttccatctc tggtagaccc gaggaagagg tcaagaacat tcttatgaac 300
 catgttggtt cttgactact tttgatgagc ttaaagctca angggctctc aaaggaaaaa 360
 gaacacattg gctcaataac ctttaacaat ncaacggttt ggggcaacaa gcaaaacgggt 420
 ttctcaact gcaacaaatc taacggaaag a 451

<210> 13804
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-B3
 <400> 13804

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 atgaaaacga agaagacaag agagttactc tcaaagtcac gcaagtcgcc gagagacccg 180
 atagaatctc tccgatcgtc gctattttct ctacaggata cgatccttgt aaagtagatc 240
 caaaaacagg caagagagtt catgaaactc ccaaggttac tgtttacaag cataaggatg 300
 attctaagaa gaggattcag gttgttgtaa gtctccagg cgcaagagtt gagttcgtcg 360
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 ttaatagaga ggntaaaact t 441

<210> 13805
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-B4
 <400> 13805

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 agtaagcaac atcaacgctt gcaactgctgt tggagatgta gttcgaacca cgctcggggc 180
 acgagggatg gacaaactca ttcacgacga taaaggatcc gtcaccattt ctaacgatgg 240
 tgctaccatc atgaagctcc tcgacattgt tcctcctgct gctaagatcc tcgtcgatat 300
 cgccaaatcc caagactccg aagtgggtga tgggacaact acagtgggtc ttcttgcaac 360
 anagtttttg aaggaagcga agccatttat tgangatggt gttcangctc aaaatctaata 420
 taagagttac cgcaactg 437

<210> 13806
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13806

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 agtccatcaa aagatgtata cttgcattgt aggatgggtg atgaggctcc tttcaatatg 180
 tacaagaagg caggatacga ggttggttaag acagatacag ttttggctct tctgatgtta 240
 cagcggcgta agcatttgat gcggaagaaa cttcttccac tatgcaccaa tcctatagta 300
 gaaatgggtg ggtctgataa tgagctgacc tcctctgcaa atgtgtaaac atgggagcta 360
 aatgtgacat gaccaaggtt cgggttgata atcccgtttg cttcgaccta tgttaaata 420
 tcttagtana ncac 434

<210> 13807
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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ctacgcggat gtgaaggagg aaaacaatcg ctacgttgtg ttcaaaaaca acgtcgaacg 240
cattgaacat ttaaatagca ttcttgccgg aagaactttc aaacttgccg taaatcagtt 300
tgctgattta accaatgacg aatttcgttc caagtnact ggnttcaaaa ggggtgtcctc 360
cggnaataac ctaagccaaa agccaaaact aaaaatgtcc ccgtttaang gtacaaaacg 420
tttctctccg ggtggcttgg ccgggttt 448

<210> 13810
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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gaagcgggaag tagcacacaa ggcgaaaagc tttttcgcac aagccgagaa agaaactcca 180
gctttgaaag ggaagttttt cagtgacagg aaaggagaaa attgaactca aaagttttgg 240
ggaccatcat cgatcacaag acaccggcaa ggtacaaaag agtaggcctt gttatttaac 300
tgtttttttt tttatgttcg atgagccaag aatctgaggg acctttgttt ctgatgcggc 360
aacaagtgag ctaaacttgg agcgaagtca gttcactctt tcatcntgta attaagtctt 420
ccgctttata agtttaaggt tt 442

<210> 13811
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13811
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ccctggtcct cagggtcctt actactgtgg agttggagct gacaagattt gggggcgtga 180
catttcagat gctcattaca aagcttggtt atatgctgga attaacatta gtggtactaa 240
tgggtgaagtt atgcctggac agtgggagtt ccaagttggc ccgagcgtag gaattgatgc 300
aggtgatcat gtttgggtgtg ctagatacct tcttgagaga atcacagaac aagctgggtg 360
tgtcctaaca cttgatecca aaccgataga nggtgactgg gaacgggtgcc tggttgcaac 420
aacaantaca atac 434

<210> 13812
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D1
<400> 13812

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caaagcaaat gtttcgcgtc aatttctggg aaagaaacag tctccgcttc tctcctcaac 180
tccgagattt ctcaactgtta tcgccatggc tccacctaaa cccggaggca aagctaaaaa 240
agttgtggga gttatcaaac ttgctttaga ggcgggaaaa gcaactccgg caccaccggt 300
tgggtccggcg cttgggttcta agggagttaa cattatggct ttttgcaagg attataatgc 360
aagaactgct gataaagctg gttatatcat tctgttgaa atcactgtcc tcgatgataa 420
gagcttcacg tttaatecca ag 442

<210> 13813
<211> 506
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D11
<400> 13813

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ācgtāgcaaa gāgtctcāgc tctttgttcc ctaaacaatc āgctctcatc āaccngatct 180
 ccgctggāgc tcgānācaac ctgcctcgtc caaacctcāg āagācgatgt āaggtcaccg 240
 cttcācgggc taatattgāa caāgaaggta ācācāgtgāa āgaaccatt cāgaatatta 300
 āagtaāaggg ātacataācg gcccāgaāg āgtttctgga gggcātaact tggtcgāgāg 360
 gtctcgatga cattgtgat atccgggga gatcattgtc cgtcgagctt attāgcgcca 420
 āgactgacca gcggattācg gtagāngact āgcācāācg tgtatggggc cnaāgcctg 480
 ātgānaāgta caatgggaat ttgāna 506

<210> 13814
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-D12
 <400> 13814

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 tttactttgg ttctgggtgtg āāggcgctc ctcaāaccgc tgaatacatc ācāaccgttt 180
 tccgtaāccc gtacāntctc tctgtggtcc āgatcācat gccāttgtg gcācctggāc 240
 tcgggtctcc ggttaagggt cctccāccāc cāccatgtc ttcāccāccg gcccāctctc 300
 ccaāgaaggg tgcāgccāct ccāgctccāg ctctgtctga tgaāggggat tatgcāgatg 360
 ctctctctgg tttāgtcca gāāccgcāc ctgcatctgc āccātcātaā āgtgāttctc 420
 cāgctccāgc tccāgatāng tctggcāga āāgātggcā gcāntgātga ggctgaācāā 480
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<210> 13815
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-D3
 <400> 13815

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 ctccaaggaa gttgcgacgg cgatcagagg cgcgatcatt ctgcgaaaat tgtctgtggt 180
 tccgatacga agagggttatt ggggtaacaa gattggaaaa ccacatacgg ttccgtgtaa 240
 ggtaaccggg aaatgtggat ctgttactgt acgtatgggt ccagctccga aanggtctgg 300
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<210> 13816
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-D4
 <400> 13816

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 ctccaataga agctctctct tctgtctcca atcgacttca gctaaaccct ccaagagaca 180
 caaacagaag aacgagaggt taatctaacc gaactttacc attcacaaga tcgatacaca 240
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 gctaataaag taagtga 437

<210> 13817
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13817

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gaggaaacgt cggtggtagt agttctggcg gcggagggtg cggttcgtgt atgccacaaa 180
 gtgtaaacag ccgtcgtggt ggggttagag agtttatagt gaaccaaadc ggaattggga 240
 agatggagta gaggataag aacaagtttt ccctctgttt ctcgggaaaa taaaagtttc 300
 aggcttttca tgtatagagc cagtagtaga gacgacgaaa ggaggaagcg aaatcaaaaa 360
 atgttttggt atcatcatca tatgatcttc ctctgtgatt caattaaaag caaagcaaga 420
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<210> 13818
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-B2
 <400> 13818

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 atcaaaagat gtatacttgc attgtaggat ggttgatgag gtccttttca atatgtacaa 180
 gaaggcagga tacgagggttg ttaagacaga tacagttttg gtccttctga tgttacagcg 240
 gcgtaagcat ttgatgcgga agaaacttct tccactatgc accaatccta tagtagaaat 300
 ggtgggggtct gataatgagc tgacctcttc tgcaaatgtg taaacatggg agctaaatgt 360
 gacatgacca agggtcgggg ttgataatcc cgtttgcttc gacctattgt tatatgatct 420
 tagtagagca caa 433

<210> 13819
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-014-Q1-E1-H1
 <400> 13819

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<211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-015-Q1-E1-A12
 <400> 13826
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 aattctctgc cttcttttagt aatgtcaagt gagcagcgag aagggttcgca agagacgacg 180
 acgacgacgg tggaaggtaa cggaacaatt gcaggtcaga attctcattc ggcggtctccc 240
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 aacgagcata gaccgatag ttatgaagat ctgcagcttg atttcccaa ctcggtatat 360
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 aattcatgac t 431

<210> 13827
 <211> 330
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-A5
 <400> 13827
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 gttcgagatc canaggacaa gaagaaaaca gaacatcttc ttgcactatg acggtgcaaa 180
 agaaagactc aaattgttca aancagatct tttgnaanaa tcttcttttg atcaagctat 240
 cgatggttgt gatgctgtct tccanantgc ttctccagtt ctattcantg tcacacatcc 300
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<210> 13828
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A6

<400> 13828

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cggcaatgaa aacctctctc cgacgggttac gaggtgtgct tcacaagcat gaatctaaag 240
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acgnagaaa gacaatgaag aaaattggcc taatgaataa nccttggcnn aaatggcccc 360
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<210> 13829

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-G9

<400> 13829

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tctagttcag gaatacgag cgaaaggaag tcccagttt ttcttcattg tnnacatata 180
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gnnctnacaa tnnagttnng gtctcaac 448
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<210> 13830

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A7

<400> 13830

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aattggtgga ngaggagag aacacgccct ttgccacgcc ttgaagcggg ctccttctgt 420
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<210> 13831

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A8

<400> 13831

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gagcaccatg gatcggtgta tctatgggtg ctccgtcatt actatcttct tctccttctt 180
cttctctctc aatgcatccg ctttagaate gggtcaccac aacataactg ggtcgggtca 240
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gttcttgcnc naacaagt 438
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<210> 13832

<211> 510

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A9

<400> 13832

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<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-B1

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<210> 13834

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
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<210> 13835
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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atggatatag gatgctatcg acggttgaaa atgtatctga aagtgggtaa atcgatgaat 240
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<210> 13836
<211> 428
<212> DNA
<213> Arabidopsis thaliana

[illegible]

<210>	13837
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<212>	DNA
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<400> 13837

<210>	13838
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<212>	DNA
<213>	Arabidopsis thaliana

<223> unsure at all n locations
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<213> Arabidopsis thaliana

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<210> 13840
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<212> DNA
<213> Arabidopsis thaliana


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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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<210>      13843
<211>      447
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-013-Q1-E1-F7

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cgcttattga tagagagaga gagagattga gaatcgcgat ttgattttat caatcgatgc  180
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cgtgaagatt gagaagaact aattttgggt tgtgagcaac tttcgaatca gctctgtag  300
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<210>      13844
<211>      443

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<400> 13845

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6727

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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <212> DNA
 <213> Arabidopsis thaliana
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<212> DNA
<213> Arabidopsis thaliana
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<210> 13854
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 <212> DNA
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<210> 13858
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<213> Arabidopsis thaliana
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 gtnaatat 188

<210> 13860
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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attgaaggaa catacattga ccagaaatgt ccctttactg gtacgggtttc aatcaggggt 240
cgcatcttgt ctggaacttg tcacagtgc aagatgcaga ggacgatcat tgttcgtang 300
gactatcttc attttgtgaa gaagtatcga aagatatgan aaaagacact caaacattcc 360
tgctcatggt tccccgtgct tcccggtgca aagaaggaga tcgtgttacc antgggcaat 420
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<210> 13862
<211> 444
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D4
<400> 13862

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acaaagcaga gttcgacgtt gaggatatga agatcgtctg ggctgggtcc cgccacgctt 180
ttgagggttc cgatcgaatt gcccgccttg tcgccagcga tccgggtattt gagaaaagca 240
atcgagctcg gttgagtagg aangagctgt ttaagagtac gttgagaaaa tgtgcccattg 300
cgtttaaaag gattatcgag cttcgtctca atgaggaaga agcangaaga ttgaggcact 360
ttatcgacca acctgcctaa gtggatttgc actggggaaa gtttgtgcct gctattaaag 420
ggcaaggtag anaggaacag caaa 444

<210> 13863
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-D5
<400> 13863

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<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-H9
 <400> 13869
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 tcaaaatggg aaccgcctca aggattcccc ctaagggttt gggtgccan tccntgcat 120
 ccaaatccaa antttccnaa aca 143

<210> 13870
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-A1
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 acaanatcat ggagattgct tcccttgaga agtttcttca ggagaggatc aaggtcgggtg 180
 gcaaagctgg tgcacttggg gattctgtca caatcacacg tgagaagagc aagatcactg 240
 tactgcaga tggccaattc tccaagaggt atttgaagta cttgacaaaag aagtacctga 300
 agaagcacia tgtaagggat tggctcagag ttgattgcag caaacaagga ccgtaacctc 360
 taagaatttg anggtacttc aacattgctg agaacnaaag gaaaaggang aagactanac 420
 ctcaagatcc anttttgggt taanaat 447

<210> 13871
 <211> 60
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-A10
 <400> 13871
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<210> 13872
 <211> 246
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-A11

<400> 13872

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 tatgagcgct tcagtgtggc atgggatacc atatccgggg cagccacat tttattcctt 180
 ctctgtcaag tcgtanatca cttggnantc atacgggttac ctgtatacta cccatcccaa 240
 ngaaga 246

<210> 13873
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-A2

<400> 13873

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 tctgctcaat attccatttc tatgatggct cctcttaagt acctcaacct tgctcacaac 180
 cagttgaagc agctagctat tgacttcaca aaactcacct ctctctctat attggacctc 240
 tcttccaatg ctttatangg tctctccaaa cacttgtagc tctcttacga gtgcaaaaat 300
 caatttactn tccagaacaa tcaanttttc aaggcacaan ttgataattc caaacccaac 360
 centtctcc tcgnaaaaat ctggaataat tgccaaaana aatccgggtt tcacaanggg 420
 ctggganttn cctggnnttc cctttggaaa aagggaattt aaactttngc anaaaaagga 480
 atggg 485

<210> 13874
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-A6

<400> 13876

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aaatctctgt tggattgcaa cttgtgacaa gagattcgag ggaaaaacta aacaatatag 180
tgatcaaattc ttactgaga cttaaaccgat ccaatccaaa catcncggag ctttgtttcc 240
ttaaaacatg tcatctctgc aatanacaac tccatcaaga naaagatgtt tacatgtaca 300
naggagattt gggattttgt agtagagagt gcagagaaag tcagatgttg attgatgata 360
naaaagaact anaggcttcg acgaagatga tgttggnttc gtaaagncca tgtaataacc 420
ggcgccggaa aaagcgantc ccgggaattt gtttgatgat ttccgggcga ngaattcaat 480
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<210> 13877

<211> 520

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-013-Q1-E1-A7

<400> 13877

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caattacttc tctctctctc ctcagcctct ctcttacttg gcttggccac tctattgggc 180
ctgtcaaggc tgtgtcctaa ctggtatctg ggtcatagcc cacgaatgcg gtcaccacgc 240
attcagcgac taccaatggc tggatgacac agttggctctt atcttccatt ccttctctct 300
cgcccttac ttctctgga agtatagtca tcgccgtcac cattccaaca ctggatccct 360
cgaaagagat gaagtatttg tcccaaagca gaantcagca atcaagtggg acgggaaata 420
cntcagnaac cctcttggn ccatcatgat gttanccgtc aantttgtcc tcgggttggc 480
ccttgtnct tagctttaan gtctctggga gacngttttg 520

[illegible][illegible][illegible]

THE **NEW** **YORK** **PUBLIC** **LIBRARY** **ASTEN LENOX TILDEN FOUNDATION**

<210> 13880
 <211> 242
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-B4

 <400> 13880

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 ctccaaggag gaagaccacc attacctcgt aaatagttac cagatctagt cctaagctta 180
 atcttagacc cttctctaag cggttcccac tcaacagacg aatcaacncg anncngttnc 240
 aa 242

<210> 13881
 <211> 235
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-B5

 <400> 13881

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 ttttgctgta ccctttcgaa atctttatgt cgttgttttag tttgttgtat tcgactatct 180
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<210> 13882
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-B6

 <400> 13882

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<210> 13884
 <211> 716
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-B8

<400> 13884

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 gacgcgaccc ttttcaattc tcgccggaat tgggattccc atctgtttgt ttacgcttcc 180
 tcttcttcnt ctccgtcgtc gtcgcctccg tctccaaatt caccgacgga tgatctcacg 240
 gcagagttgt gcgtcaatac tgggtcttga tctctttaag anaggacggg tgaaagatgc 300
 tcttgttcaa tttgaaactg cactgagttt ggctccaaat cctantgant cacaagctgc 360
 ttactataac aaagcatggt gtcatgccta ccggggcgaa tgaaaaaaag ctgtggattg 420
 cctgcgaaan tgcgttgana aaatataatc cgaaatttgc cacgaatcct aaagattctg 480
 aattaacatc ctttcgcnc aataaccgag tttaaaggag ctgcaagaaa aaggcaaggt 540
 taaggcnggg aaanatattg gcaataaatt tccgggaaaa tttgaaactn accattttaa 600
 ttcgaacacg ntttcggggn gttanaaaat cctttatttg catttnnnn acaacgggta 660
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<210> 13885
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-C10

<400> 13885

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 aactctcgac cttatccgtt ctaagggtaa aaatgttgct tttgtgacca acaattccgt 180
 aaaatcnagg aggcaatacg ctgaaaagtt ccgatctttg ggtgtcactt ctattactca 240
 cgatgagatc ttctcttcgt catttgccgc agctatgtat ctcaaagtca ataactttcc 300

taaggacaag aagnttatgt gattggtgga gaaggtgttc ttgaagaact gcanattgcc 360
ggttttataa tgtcntggtg gtcctgaaag atggtgaatn agaatgnaca atggaaatc 419

<210> 13886
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C11

<400> 13886

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tacgttacta agcaggttct ctccgatcta ccgtcatctc cggcgagggt accgacggtt 180
tcgttaancc gatnaggcaa gtcgtcccgaggaggagaacga tgaacaactc ctcaacgcag 240
aacatcactt cactctattc aaatccaagt acganaagac ttangcgact caggtagagc 300
acgatcatcg gttccgtgtc ttcaaagcta acctaagacg agctangcgt aaccagcttc 360
tanatccgtc tgccgtccac ggcgtcacgc agttcccaag atnttaacct gaaagaattc 420
cgccgcaagt ttttaaagac tgaaacgcen anggtttcgt cctccactg atactcagac 480
ggcgccaat cctccgacta ccgattttcc gag 513

<210> 13887
<211> 797
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C2

<400> 13887

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ttgaggaaat cacctgtggc gaaagatggt gacctgaggg ctcttgctaa gtacacccaa 180
ggcttcagtg gtgcggacat cacagagatt tgccagcgtt cttgcaagta tgcatcaga 240
gaaaacatcg agaaggatat tgagaaggag aggaagagag cagagtcgcc agaagcaatg 300

gaagaggatg aggaggagat tgcagagatt aaagctggtc actttgagga atccatgaaa 360
 tacgctagga gatnagtgag tgatgcagac attcgcaagt atcangcttt tgctcanact 420
 ctccagcaat cacgtgggtt tgggaagcca. agttcaagtt tccagatgcg ccgacaagga 480
 ctactggagc tttccctgga gctgctgcca caattggggg gaattcaacc cgttttgcca 540
 aatcccggan ggancaaccg gattgaataa tgattctccn anaagtttta aaaaggtcct 600
 gaatttaaga acccctgggt gaactaactc cncctttta ancccttta aaccttttgg 660
 gttcccngcc nttnnaaaaa aaaacttttt ccnaaatggg gnccttttg gttngggggg 720
 tttttnaaat tttaaaaaaa antnccntt tttggnnaaa aaaaaancc cnttttngan 780
 aaaaanccct nnaaaaaa 797

<210> 13888
 <211> 756
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-C3
 <400> 13888

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 ttcttcaaac ttgcgtctc tgtctgtct caatcacaaa tcatcttcga gattgcgaag 180
 ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 240
 taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggtctcggt 300
 ttttgatccg ttggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 360
 ctttgtgagt cttttgtcac catcatttga aagctcttcc ggtaacaggc gagataagcc 420
 gtcttctggt agaagcgtgg caactgctat tgangacagt tccaatgatt ttggagaatt 480
 cctcaaaagg ggcaattgcc aaggaaattt ctgaaacntc ctgggggtttt aactcccccc 540
 ncggcttgga anttacatan caatccggcg ggggttaacc caaaaacctt tgggttngaa 600
 anttgggtta anaataacaa tttttagcaa cntttggnna anaattttcc ngggggggan 660
 ggnaaaaagt taaaactttg ggaaaaagtt tnnccccngg aattgttncc ttttaaaaaa 720

ancccaaaat tgggnttttaa actttctggg cnaaat

756

<210> 13889
<211> 870
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C4

<400> 13889

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caatggtaga acctaaaacc aagtacgac gtcagctcag gatttggggg gaggtaggtc 180
aagcggcctt ggaagaagcg agtatctgtt tactcaattg tggccctact ggttccgagg 240
ctttgaagaa tctcgtactt ggtgggtgtt gtagcatcac cgttgttgat ggatctaagg 300
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agccaaatct gtttgtgcgt ttctccaaga gcttaatgat tctgttaacg ccaagtttat 420
tgaggagaaat ccagacacgt tgattactac taacccatcc tttcctctct cagttcaact 480
ccccgttata accactcagc tgggtgggaaa gaatcaatgt tgaaaacttg ataanaatcc 540
gtccaagatg caaaacntta aatttggttt tgggtccnnc cctaaanggc cctngccngg 600
ggtttgggtc ccaaccnncn gttaaaggag ccaccccat aaattgacnc caaaaacctg 660
gatnnathtt ctttgaanaa acttccgccc tgaaataaan ccaagggcct gnaaacccaa 720
aanntttttg tgggaaaacc aattgntttg naaagttnc aaaanccggg cccctnnana 780
aaaacccaan accttaagtt cgccatnct gttaaaaatg cctaaganat tggcccaanc 840
cccaanngg aacctccca accnggggaa 870

<210> 13890
<211> 681
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C8

<400> 13890

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acagcaactc acaccagggtt ggtttgatca ggatgcaaat ggaagtgcag agaagggttg 180
atgaacagct agagggtgcaa agacatctgc aactgaggat tgaagcaciaa ggaaagtaca 240
tgcaatctat cttggagaga gcttgccaaa ccctagccgg tgagaacatg gcagccgcca 300
ccgcagcagc cgccgtcgga ggaggataca agggtaatct gggaagtctg agtctttcag 360
cagcgggtggg cccacctcct catcctctta gtttcccgcc gtttcaagac ctaaacaatcc 420
tatgggaaac acaaccgaac aagtcctcga acatcacaac ttccatcatc caaaacatag 480
agaaccantt ccacgggtaa caatgctgca gacaccaaca tttacnttgg ggaaanaaac 540
cgacctaaan cctaaatttt gggaaccaat nttanggaaa gggncattg angttggccg 600
gatttaagat ttncgattnt tttccgcaaa accaaacna ttttangnnn naccnttna 660
anttcngnt ccnannngg g 681

<210> 13891
<211> 880
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D1
<400> 13891

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agtttagaca caaatcacag ttaagacaa aattatagtc ttgtttcttt caaattatgc 240
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ctatgttgct tttctcaact gtttcaagcg ttattacatt actaagctaa aaatcttgat 360
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aatttagaga gaaatgggat gttctcattc caagtttgat gacgatgaag ctgttcagat 480
ctgtaaagat aggaaacgtt tcatacaaca agcagtggna cataaggact ggggttggct 540
tccgggtcac aattggctta aatccaagtc ccctgaagga aaggttcaaa aatggctcct 600

gccaggtgga gttctatttc agtgatagta atctacccat tgatgatttc ctcaagaaga 240
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 tgagaggata tttgaagttg ggtgattcta aaggagatga tattcctgaa gataccatca 360
 aagctgttgc tgatactctt cgaanctctt ctgctctcaa gatttctgac gatgggaaaa 420
 aggttggtag gagtactgaa ttgttgaagc tggaagattt gattgagcaa cttaatgcta 480
 anaacagtac ctgcgtcacc tttctcctan gaatgttaaa aggggaaaaa cgttggaaat 540
 cctttttcag tccnntaang ggaaaggggtt aataattggtt nanggaatgc ctccgtcaag 600
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<210> 13894
 <211> 670
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A3
 <400> 13894

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 ggtggactcc gtcactcactc tcgctagagg gtgcactgga ggatcaatta ctgagaacgc 180
 ccagagattt ttctgggaaa tttgcgttga agctgctgcg aatggtaacg gatcatacgc 240
 gaagaagtta ctgaagaaac tcataaatga agttgagtta gagaatggtg aagtattgga 300
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 agaaaacata aggataacca aattcatttc ttttcttttc cctgaagggtt cgtacaaaca 420
 cccgagttgt ccaagggtcga ggaaattagt tattccgctg caatgttccg ttgaacatgc 480
 ttgaaaggag aataccgggt gttcaacctg ggcatecnag tccggttccc gtcaanaant 540
 ttgttttggc catttcaana gtttantccc ccaataaaan cctgggttttn aanggttggg 600
 gtcttggaat tttggnaaag ggnncnggaan tttgccttg caaaattntt aaagggccaa 660
 aanaagggtg 670

gaaatcagga agttcgcaga gaaagctatg gggactaagg acgttaggggt agacgtgaaa 180
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 ctgttgctga aatccctgca gaaaggacca nttggtcctt ggnacaaang gccatchnaag 360
 aaggnggatt aggagatcag tnnacaant ttgtttgggt tttactttgg tgccgtgttc 420
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<210> 13897
 <211> 710
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A6
 <400> 13897

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 aagcaaagat ctgctgccct tccaaccaag ctagaaatgg ctatagtgtg tgccgtataa 180
 ggttttccaa gggaagggtg atgcaagtga gtggatgccaa aaactctgat acatgccctc 240
 gaggttgggt aaacgccatt ctgaaaaact cagctgatgc taccaatgag cactgcaagt 300
 taggggtgtg aacttctgtg tgtgggtgcc tgaacactct ccaagaactc tgatgcaagt 360
 gaaattgtga atgganctgc ggaacaatgt gccaanngat gttccaattt cctgtttacaa 420
 agagctatgt tatcccaact ggggccgctt aaaactgggt gtaaanggtc ngatatngtt 480
 gaaaaaaacc aaatggctaa gaactccctg gccaanctcc ggggtttggn tgttgtngtt 540
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<223>      unsure at all n locations
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6755

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 <211> 443
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 <213> Arabidopsis thaliana
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 gaatctagaa tctgtgaaag atgcggtcat gantcatttt gttggggaca atatggaggt 360
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<210> 13901
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
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<400> 13901

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tcttccaacc aatatacttc tcatagcttt cttcaactac tactacactt tcttgcaact 180

tgaccgggac gacgtgagtg aacaattaaa acgccaaggt gcatcaatcc ctctagtccg 240

acctggtaaa agcactgctc tcttcatcaa aaccgtcctt ggccggatat cggttcttgg 300

ttctgcattt ctggctgttc tagctgctgg tcttgctgta ntcgaacaga tnactcactt 360

gacaacattc anaggatttg caagcacttc tgttccgatt cntgtcgggt gtgccacaaa 420

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<210> 13902

<211> 872

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-B4

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gtgatctcct tcttctctac gaagtttaca ctttttcttc aaaggaaaca atgagccagt 180

acaatcaacc tcccgttggg gttcctcctc ctcaagggtta tccaccggag ggatatccaa 240

aagatgctta tccaccacaa ggatatcctc ctcaaggata tctcagcaa ggctatccac 300

ctcagggata tctcaacaa gggtatcctc agcaaggata tctccaccg tacgcgcctc 360

aatatcctcc accaccgcag catcagcaac aacagagcaa tcttgggctt tctagaanga 420

tgtcttgctg ctctgtgttg ttgctgtctc ttggatgctt gcttctgaat ggagtctctc 480

tctctctgca taaaacttcg ggatttaatt gtaagaaggt tttggttaaa caaaaacctt 540

aantgatttg tgggggcatt aaaaatgaaa ccccccaaag aatccccttc cgtttaaagg 600

tgtaaagggt cctccgggtc aaaacaattt taaacaaatg gtccaacnaa antttcgggc 660

cctaaatttg ggnanttna ntaangggga aanntnaaat tgggttnngg aaaaaccnnn 720

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<210> 13903
 <211> 835
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 aaaggggana aaaggggaatt ngaacnaata aanggggctt tcntggggc ctnnaaantt 720
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<210> 13904
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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gagtttgga ctgagatttt aaaatacata cgtaccacca ggtctctatc ttgaaacaaa 180
aacactctct taactacaca agtgcagtga tatatataca tcattgatcg tcgtgccaac 240
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aaggttgctg cattctcatg tanaagggcc taattcgggt tcaccagcca ttctcaagcc 360
tgatatanca gctccgggtg tgagcatact cgcggcaata agtccgctta atccaagaaa 420
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<210> 13905

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-011-Q1-E1-G7

<400> 13905

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tatcgaattt cgcgaatctg agtaatgggt tttctctaaa atctccaatt aatcctgggt 180
ttctcttcaa gtctcgtcct ttcactgtcc aagctagagc tgctgcagaa aaaaccgttc 240
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aagttatggt gattgtcaat gttgcttcaa gatgtgggtt gacatcatca aattactcag 360
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<210> 13906

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-011-Q1-E1-G8

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<210> 13911
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H7

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tttgtgggat gactggagat ggtgtaaa 448

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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H8

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 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13914

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<212> DNA
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<210> 13917
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 <212> DNA
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 <223> Clone ID: LIB25-011-Q1-E1-G5

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<210> 13918
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 <211> 358
 <212> DNA
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<210> 13924
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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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cactactacc gccaaagcct ctacttgtc ggcatttggt tacaacattt ctgtgaacgc 420
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<210> 13925
<211> 438
<212> DNA
<213> Arabidopsis thaliana
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atcctcctgg tgcttaccct gctgcgcccc gtggttatcc tcttgcacct ggaggttacc 240
ctcctgctgg ctatcctnca cctggagctc accattcatg acattctggt ggtggactcg 300
gnggcatgat agcaggtgca gctgggtgcaa gccgcagcaa gcttatggga nctcaacatg 360
ttggtcacgc ctctcacaan ccttaacngg cnngctgtna cgacctggaa gntatggcca 420
tgcccctggt caatggnc 438

<210> 13926
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D8
<400> 13926

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ttcttcttct tcttctccga tcagatcaat gctcgagcca ccacaaagct tatttccttc 180
caaggagag ttcttcacac tattgaaggt tttgcttgct gcttgctgct tagcttttac 240
ctgcaatttc ctctctaagt ctctgagctc aaacccttct aaatctttct gcgatagtaa 300
ctttaatccc atcgattcag acttggnat ttgtgaanct tgtccaatta atggagaatg 360
ttaccaaggg aagttgcaat gtaatcttgg atacanaaat caaaggaatt tatgtgtaga 420
ngatggagaa atcaatgaat caactaagaa attgggtggg gtantttgag agaanngttg 480
tgaatcatat gccataatga a 501

<210> 13927
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D9
<400> 13927

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tctcttcaaa gtttatctgg tcgggttggg aaaaatccaa ctagagaaga gcataaaagt 120
agacatctga tcaacccgac ccataataac ctttttttgt tggncgcgta atatgttcga 180
gcgcggccat cacactaaga acattcataa aaaaaaatcc acaggattca aagcccttaa 240
gctttgatca tagtctctta aagaggtagt aaaaccataa actagagccc caatttgcag 300
tcacaagcca cctaacacat tagcttctgg tcatttctgc tttatataca catcaagtaa 360
aaaatggtga gaagaagaga angtcttaca ttgccaatca taaaaccggc gcttcccgag 420
gtcagatnag cngccacaac gcnggtgggc tcacagaaan ccanaactcc tttatcgaaa 480
cang 484

<210> 13928
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E1
<400> 13928

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ttttcatttc tgtaacttct tctccgtcaa agacacagag agtagagaaa aaagaaaaac 120
agaggaacag attaaaaaaa angnaaactt tattaaacga tgatgcaact gggtggtggt 180
actccgacca ctacagcggc ggctacaacc gtcacaactg ctacagcacc accgccacaa 240
tcaaacanca acgattcanc ggcaacagaa gcagcggcag cagcggttgg ggcgtttgag 300
gtgtcggaag agatgcacga ccgtgggttt ggaggaaatc gttggccgcg gcaggaaacg 360
ctagcgttgt tgaaaatacg atctgacatg ggaatagccg tttcgaagac gctancgtta 420
aagggccct tang 434

<210> 13929
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E3

[illegible]

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<210>      13930
<211>      405
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-010-Q1-E1-E6
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<210>      13931
<211>      428
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB25-010-Q1-E1-E8

<400>      13931
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ccaacattct ctctcgattc accagaaacg agttctgtct cgaatccaaa tccaccattg 180
gcgtcgaatt cgccaccgag actttacagg ttgaaggcaa aacagtgaag gctcagattt 240
gggacactgc aggtcaagag cgttatcgag caatcacaag tgcttactac agaggagctg 300
ttggagctct tcttgtctac gacataacca agagacaaac ttttgagaat gtcttgagat 360
ggttacgtga gctaagggat catgctgatt ccaacattgt tatcatgatg gctggaaaca 420
aatcagac 428

<210> 13932
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E9
<400> 13932

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gctaaagatc tcaactggcca ggcttttggg accggcatac gggagcttca tcggcagggtt 120
ccaaaacctt ggagacatag ggaaaaacgc aganaagtan atcaagtatg gagttgagga 180
catagaggcg cgtattaacg agctgttcaa agggactacc acgggaagaa aatgaaggta 240
acgaacacaa aaatagcctc ttgtaacatc ttcgtaacga accacctgct aaatgaccaa 300
tagcgaagtc ttgcaggag gatttgtaac atgtattgtg taccctttta gacagttagc 360
tcagctctgt tgtgttggtg tgtaatggtg tattgtaact gggatcactt tttttgtcat 420
tgtanaacga gaacaaccgt tgacagancn nncngcccn ntgcncngc ngacnnccct 480
ttg 483

<210> 13933
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-F12

<400> 13933

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ccctctgtgt gtgattatct tctttggtgt tgttgatgct ggagatctct tattcagatt 120

gatcacgcct gaaaggttta ttaggatttg gcaaaaggat ggatagaatc aacggctctat 180

cagatctctt ctgatttgaa ttctagggcg tttgtttgga agaattcattg cttctttggt 240

tgaggatctt tgtgaaacgc tgggattttg tgttctagac ttctaggggt tttgaagcaa 300

gctgtagcat aaggaaaatt ttgagaatga aagggtgaaag agaagttaag aatggtgttt 360

ctgaggaaga gagagaagtg aagaggaaga gagtgatgga acggtctgat tcaccacctc 420

caccacta 428

<210> 13934

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-C4

<400> 13934

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cgtccaacaa nacacaaatg tcttgtaatc cttctcttan ctttctcctt gtgattcctt 120

tttatattcc tctgatattt tctctcagtt tgatctcatt tgctctgcaa tggcgaggac 180

catgaatgct gctgtttctc tcacatcttc aaactcttct tcgtttcccg ctacaagttg 240

tgccattgct cctgaaagga tcagggttac taagggtgct ttttactana aaagcaacaa 300

tgtagtana ggtaaaagan tgttttccat anangcacia atcacacag aaacatatac 360

tcctactcct gcaaagaaga gtagagaaag tgtcaaatga anaacgagga aggtgtgatt 420

gttaacaggt acaagaccan tagagcctta nactggaaaa tgccttctca acaccaanat 480

cacngctgat gatgctcctg gagaganc 508

<210> 13935

<211> 533

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-A1

<400> 13935

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tccgtcgata taccgccaaa aggtgggttt agcttcgac tgtgcaaaag gaatgatatg 180
ctgacacaga aggggtcttaa agcgccgtcg tttctcaaga ctggaacgac tatcgttgga 240
ttgatattta aggatgggtgt aatacttggg gctgatacac gggcaactga agggcctatt 300
gtggctgata agaactgtga gaagattcac tacatggcac caaacattta ctgttgtggt 360
gcaggaaccg ctgctgacac tgaagcagta actgatatgg tcagtcaca agctgcggtt 420
tcatagatac caagactggg ccgagantct cgagttcggt actncantt accccttctc 480
aaaanacatc ntttcaagcc taccaanggc cattgtctca acctgcctcc ttg 533

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<210> 13936

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-A11

<400> 13936

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gcaaacttgt agagatgtcc atcctatcag caaccaaaag ccatgggagc gaccatgtgt 60
tttctcttgc ttccacagtg gtgaaatttg ttcttgaaac aaaagggggc cacagtgcga 120
ggaagatata caagagggtc ttggctcttc ctgggtccag tcttgttcta tacaaagggt 180
gcattgaaat agagaccaac ctcatatcag taggtgataa agatgggtctc agtaatgccc 240
ggaagctgta tgattctgct gttgcaagtt acgggtcaaga cgtggagctg tggaagaatt 300
actactcatt ggagacaaag ctgggaacat cagagacagc caatgggagt gtattgggag 360
tgcgagaaaag actctgaatg aatccgcgga ttcatagttt gatctccgaa ttaaaaggta 420
gtccaatatt 430

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<210> 13937

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A6

<400> 13937

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 cgtccaanga gagatctgtg acattaatgg aacctgtgtg gatgctgcgg aagatgagtt 120
 tttcagggtta acgacaaaag aagggaatt gacagttgaa agagagactt ttaggacacc 180
 aacagctgat ttctcgccga tcttgcgnatt cgagcaagac cctgttcaga ttcttgatgc 240
 tttgttgccct ctgtatctta acagtcagat tcttagggca ttacaggagt cattggctag 300
 tgagcttgca gctagaatga gtgcaatgag tagtgcttcg gataatgcat cggatctcaa 360
 gaaatcgctt tcgatggtgt ataatagaaa gcgtcaagct aagattactg ggagagattc 420
 ttgagattgt tgcgtggagct aatgcacagg tttgatttgt tttgaaccct ctttngaate 480
 ntctatatga gtccaaaaac tctct 505

<210> 13938
 <211> 339
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A7

<400> 13938

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 aaagacggag aagagctttg gcaaaagccg aaaccgggtc tggtaaactt ttatctgaat 120
 gtatatgtat ataatgtttt agagtagtag taagtaatat agtgtaacta tttcttgggg 180
 aagtccattt ctacttgctt ttctttttat ctgcatttgg cttttgggtc ccaaaaactc 240
 ttatttctgt tgtacattca tgtctgaatt taataacctc ttcttcaaga aatggctttc 300
 actcacaaaa aaaaaaaaaa aaaaaaaaaa aaagggcgg 339

<210> 13939
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A9

<400> 13939

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aattctctgc gatttccatg gagttatctc ttctccgtcc gacgactcaa tcgcttcttc 120
cgtcgttttc gaagcccaat ctccgattaa atgtttataa gcctcttaga ctccgttggt 180
cagtggccgg tggaccaacc gtcggatctt caaaaatcga aggcgaggga ggcaccacca 240
tcacgacgga ttgtgtgatt gtcggcgagg gtattagtgg tctttgcac gctcaggcgc 300
ttgctactaa gcacctgat gctgctccga atttaattgt gaccgacgct aangatcgtg 360
ttggaggcaa cattatcact ccgtnaagag aatgggttttc tccngggaag aaaggtccca 420
aatagttttc aaccgtcctg attctaagc cnnantang gtnggtaa atagtggttt 480
ggangganntn attttgg 497

<210> 13940

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-B10

<400> 13940

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tttatctcct aaacccaaaa acaacgattt cactgtcacn gttgtcaagc tcgaatcaca 120
ctagccgaga cgatggcgag accatcgatc gccacgtgtg atccaagcgc acgaccttgt 180
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tgctcccgtc ntcttccatg tgagccttct attganatgg gtgagacant gtnngaatec 360
tgtggganac tcttggnacc ggaaagtgag tgggttccttg cngtaagatt aannctttga 420
cgnagttant 430

<210> 13941

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B11

<400> 13941

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gacacaagat cacaacagan aatattatat ccaaangcat ctcttgagta tgcacgacgc 120
catttgcaag gacaangtga acgttgccgg atactttgtg tggctcttga tggacaactt 180
tgagtggcaa natgggtnca aggcgaggtt cggactttnc nacatcgatt tccacaacaa 240
cntgacctgt caccanaaag ttctgggcaa ntgggtattcc gaattccnca aaccacagtt 300
tccaacctcc aagctgaggg aagaactcta gatgatcaag aatcctatcg ggacataata 360
attgagtaca agantcntga agatgttgtt gaggataata tcagttttgtg tgttctatgg 420
attcntttca tctaccgggtc ctctctacgt tagaangact tgnacttgt t 471

<210> 13942
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B12

<400> 13942

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cttcttagcc agcgtcctcc cattaatcct gaccgtccat tctcaatcag acgactcaga 180
tttcatccgt actagctgca acaccacatt ataccctgac ctatgcttct cttctctttc 240
ctccttctct agctctgttc acaacgatcc agccctcttg gctcgagccg ccactctccgt 300
cactctcacc aagactctcg acttagcctc ataccctgcc aatatcacca ctctccagcc 360
agagagcaac gaagatgggtg ctcaccaccc aaccgcagcc gctgtttttc acgactgctt 420
cgacaatctt aaagacgcgg tcgaagaaat gaaangctcg atgaaacaga tganggaagc 480
tggtctcgac tgggctcgct cgaatt 506

<210> 13943
<211> 56
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-B2
 <400> 13943
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<210> 13944
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-B3
 <400> 13944
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 tattttgcat ttagagatgt aaccaagtgt gaccaactaa gggaaacatc agtacctcgt 180
 tgtactcctt aatgtggtct ctttgttctc cagggttatg atctattaag tcaattggag 240
 ccttacatcc atcaggtatt gacatacgca caacagtcaa aagaacagtc taagattgaa 300
 caagatcgat ttgcacaacg cattcaagaa ttcaggactc aatctgaatt agacagccaa 360
 caggcctctg ctaaagcaga ttcctccgat gttggtggaa ancatgttta tanagctatc 420
 ccccgtaaa acgttnnaanc aa 442

<210> 13945
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-B6
 <400> 13945
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 gtttccggtt tcaccagtat cagggtggtt ggagagccct cccgacagag aacgatgngc 180
 accctaagat ctacaggatg aagctttggg gtagaaatga agtatgcgcc aagtccaagt 240

<210> 13948
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-010-Q1-E1-C12
 <400> 13948

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 tctatctacg gcggtgatct ttctcaccgt ccaagcaacc gtcaatcatc cttcacattt 180
 catcccgccg tcaacaccaa gcctaaatcc gttaacctcg tcacggctgt acacgcggct 240
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 ttgaaatgga ctccagagag ctggaaaactg aagaaggctc tgcaacttcc tgattatcct 360
 aacgccaatg agcttgagtc tgtgcttaaa acgatagagg cttttcctcc gatttgtgtt 419

<210> 13949
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-C3
 <400> 13949

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 ttgactcgtc ttcttctctc cttcttctct ctctatcact gcatttggtt ttcttcacag 180
 cgaaccttga gatttgatta gatggggaat tgttgtggca atccgagttc ggctacgaac 240
 cagagtaaac aagggaaacc caagaacaaa aacaatcctt ttacagcaa tgaatagct 300
 acaacagata gatctggagc tggttttaag ctctctgtgc tgaaagatcc tacagggaca 360
 tgatatatcc ttgcagtatg atcttgagc tgaggttggc cgangcgagt ttggtataac 420
 ttacttgtgt actgataang aaa 443

<210> 13950
 <211> 416
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-H6

<400> 13950

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taagcgcagc ctctaagaat tattcttttg gnaagtcttc atcagtgatg aaaactcttg 120

cagtcaatgt tgatgatgcc atggacgata ttgtacgtca gttcaaaggt gtctcagatg 180

gccttatgcy caaggttgta ggatctccac ttgatgaaca tgatcatgct ccnaccgccc 240

acctctcctg nagtgtaaata ganntaagca ctacgtcttc tagggaaagc gcaactgaat 300

ctatgcacag cagcatttct gngactgaan gacatcgaca nacttgagn anaactca 360

nnngggaagg tanatttgat tcanangccn atgggtggga cacnggataa ggaatt 416

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<211> 507

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-F10

<400> 13951

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cacgcgtccg aaaaatgcat gtatccataa ttttcgtctt caacgtcttc gtcgtttcat 120

atccaaatcc atgacaaaaa cgatgccgga tgctaatact cttgacctcc gtcgacgctc 180

gggcaactat caaccttctt catgggacca tagttatctc ctctccatcg agaacaaata 240

tgtgaatgaa aaagaagtga taactagaca tgtgttgaag aaaaaggatga agaagatgct 300

agaggaagta gagacgaaga gccgtctcga gaaattagag ctcatcgatg atttacaaaa 360

gcttgggggt tcgtatcatt ttgagcaaga aataaataac attttgacaa attttcatct 420

tgaaaatgga aaaaatattt ggaaatgtga caaggaagaa gatttacatg caaccgcact 480

cgaattcccg actcctaaac aacatgg 507

<210> 13952

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-F12

<400> 13952

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ttacatagat ttgcacagga agaggaatgg atatcgcttc gaccacttcg agagaaagcg 180
caagaaggag gcgcgtgaag ttcacaagca ctccaccatg gctcaaaagt ctctaggtat 240
caagggtaag atgattgcta agaaaaacta tgctgagaaa gctctcatga agaaaacatt 300
gaaaatgcat gaagagtcac catcaaggcg taaggctgat gagaatgttc aggaaggagc 360
tgttctgctt tatcttcttg atcgtgaaga caccactcgt gccaangttc ttagcaacac 420
cattaaacaa aanaggaaag agaaagctgg caaatgggaa gtccctcctc caaangtcct 480
tcaattgctg                                     490

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<210> 13953

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-F2

<400> 13953

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acaaggagac aagggttgag tcgaccaatc attgantnga gctagagaaa tctgggtaca 180
attcaatttc agatgagggt ttcaaaanca cagaagatga atgttcaa atgcataagaa 240
gctgtgaatt ttcttcnttc gtttttgtcc aatgggaaca atggnacaat tgggaatcat 300
gggaaaatth ggagccatgg cacaanacca gtaanttaac cagatgatca tggataaaca 360
atcagtacaa gaatggctat cgcncgtcaa ctcgctaata ncatccgtcc tcancaaggc 420
aaganacggtt aanangtttn caggaagat                                     449

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<210> 13954

<211> 495
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-F4

<400> 13954
 angcctncag tagccgtcna gaattcaagg gtcgaccnac ncgtccgagc agcctnnggt 60
 cttttccaag gtttttgttt tagccatggc taaacctccg tcctttggct gctgcttctt 120
 cctcttattc ttctccttct tatcttcttc ctttgtctca tttgccctaa ccgatacaga 180
 agctgccttc attgtgcagc gacaactttt aacgttacca gacaacggcg aacttcctga 240
 tgatatcgaa tacgagggtg atctcaaggc tacctttgcc aacaccaggc ttaagagagc 300
 ttatatagct cttcaggctt ggaaaaaggc catattttca gaccatttta acaccacggg 360
 ggaactggca tggcccacac gtgtgctggc acaccggtgt ggtttgtgcg ccagctcctt 420
 gatgattccg atgtcacggt tgtagcctgg tgttgacctc aacgggtgcc ggatatccca 480
 agggcatttg cctgg 495

<210> 13955
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-F5

<400> 13955
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 tctgcgatag tggaattgaa gtctcttcgg tgagtttctt tactaatgga gaccgccgct 120
 tcgagcgtag ctacaactcg tggcggttcc cttcagaatc cgtcgccgac ggctccgtca 180
 agaaaagagt ggcgcgccgt ttcggattca caagacacca cagattatgt ggatttggaa 240
 cagttaaaagc tgaacaggac agatgagaga acgatttatg agaatggaag agaacaggat 300
 ggttattcaa atagtgaat gttgcagcaa cagattctta atgtttctag aaagaaagga 360
 gaattacagc agttggagat tgagctcgag ctcagatgan tgcgagacat gagatnatgg 420
 agant 425

<210> 13956
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-F9

 <400> 13956

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 aatttattaa taaaaaaaaa taaaaagaag cagaaaagag ataatgcagg gtggtaggct 120
 tttgacggtg ttggtgtgcc tcgcctccac ggtggcggtg gtgagcgccg gtgaccctta 180
 ctctactac acgtggaacg taacctacgg aaccgcccgc cctctcgga ttcctcaaca 240
 ggtgattctc atcaacggac agttccctgg tcctaacct aactcaacct ccaacaacaa 300
 tgtcgtcac aatgtcttca acaacctcga cgagcctttc ctcttgacct ggagtggact 360
 ccagcacang aagaactcat ggcaagatgt gtgactggga actcatgccc aatcccagca 420

<210> 13957
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G11

 <400> 13957

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 gtcnaagag agaaggaggg agagaaggag cttagtggtc tcattaccat taccagctcc 120
 atacgaaccg aaacgacgcc gtctgctcaa cctttttctc tgcaatctcn ctctctccca 180
 cgagttttctc agctttttctc ggatcatcta attaaganag gagatcttgt ctcacgggtg 240
 gattgatttt tctcttcacg aagatcgtgt tccaggcaat taactgcaga aaatgggtgat 300
 gtgggtcttt ggctatggct ctcttggtgt gaaccagga tttcactacg atgagaaagt 360
 gttaggtttc atcangggat ataaacgtgt cnttgatctt gcttgcatg atcatagagg 420
 tacaccagaa caccctgcaa gaacttgcan cctccaagaa agctgaagaa gccatatgct 480
 ggggtactgc attctgtgt 499

<210> 13958
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G2

<400> 13958
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 aaatgggtcc gtgacttttg gctcagtgct aactctgaga atgagttcct cggcggcgac 120
 gattttctcag ttatggaaga agagttcgag gagatgatcg catcgtctga tgggtggatcc 180
 atgggtgata cagttacaga agcagatgtg gctagttatt tgaagatgct tttgaacata 240
 gcggagtcta cgaaagagaa gatttataga tcgaagggtt cgtcttggtc accaaagtat 300
 aatcagaaga agtacatgaa tccgaacttt aattgtcgcc ggaatcatca tatctatcag 360
 ccacggtgaa gcttctagaa ggaacaaagc tcttccttct tcttccttcg agatgataat 420
 cagagtccctg tccgtgttta tgggctgaat ccgatcttct cgccttcctt gttttttggt 480
 aattcngtga ata 493

<210> 13959
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G3

<400> 13959
 aattctatatt gncgggcccc ggctcatatca taacgggtcg nggncacgcy tccnatttca 60
 ccttttggtgg caaacacaac gacagatana nagaacgat ggcgtcgaac tcgcttatga 120
 gctgtggcat anccgcgctg tacccttcgc ttctctcttc ttccaagtcg aaattcgtat 180
 ccgcgggagt tccatgtccc aaacgcggg aatgttggtc gtntcagaat ggctgctcan 240
 tggatgcntg ncnagecaen accancttac cttgacgggt ctgctcctgg tgacttttggg 300
 tttgaccac ttggacttgg agaagttcca gcganccttg agagatacan agagtcagag 360
 ctcacccact gtanatgggc tatgtctgct gttcctggga ttttgggnacc agaagcanta 420

aga

423

<210> 13960
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G4

<400> 13960
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 agatactggt tactgaaaac agagccaaat gagtggcat ggtcagacca anaatcaaac 120
 ggcggtatca gcaaatggga cggcgtcaag aacaacaag ccagaagaa tcttaaatcc 180
 atgacttttag gagatctctg tttcttctac cattcaggaa ccaaatcaag atgcgtcgtt 240
 ggcgtggttg aagtatcacg tgaatggtac actgatgatg ctgaangagt agaaggagaa 300
 ggagcggttg atgtcaaagc gattggagaa atgaggaaat gtgtggattt gaaggaaatg 360
 aaaggagaca aagggtattat tactaaaggt tttgttttgt ttagacagcc gangttgtct 420
 gttgttcctg ttgaggaaga tgtttggaat atgatttgtg aantgggaaa tgggttttgt 480
 ggnaattgnt ngggag 496

<210> 13961
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G9

<400> 13961
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 cacgcgtccg aaaattagta gtcaagcaaa acaagatgc accggcacgt atcatatatg 120
 gcaaagagct agccgcagca tatactactg gccggtatta aaaaatgtaa ataactaaca 180
 ntcataattta tttttcttta ttttaaaagc atatttattt tgtcgtgatt atgttaatta 240
 gatttcaaatt ttatatattt tcacatagac caattaacaa ctacaatgaa atacttgata 300
 acacataccc cgatgaagta gttttttatt gaataaaaaa aacaaattga actgggtgtag 360

aaaacttggtg aataagagag tttaacattt tgtcaaaaaa aaaaaagaag aagagagttt 420
aacatatttt ttttcggttt taagtttagt taacattttt catatccaaa gttatacnct 480
caaaattata accaacacgc cttaca 506

<210> 13962
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H2
<400> 13962

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gcaaattaga gagatttctc cttcaataac aaaaaatcgc cagctttatc tctctctttt 120
tcacatccca tggctagatg gtgacgacga ttcacgcata anntaggggt cccccacaaa 180
tcattcttaca cgtatcctct attccttctt ccttttctcc gtcattcatca tttttccac 240
cgacaacaat ctctcggagt ttggatcaat aatggcggtg aagtctagtt ctgctgatgg 300
taaaaccaga agctctgttc agatcttcat tgtgtttaag tttatgttgc ttentttaca 360
ttttgggagc atggcaacga agtggttttg gtaaaggaga cagtattgct cttgagatga 420
ccaacagtgg agctgattgc aacattgttc ctaagcttga atttcgagac tcatcancgc 480
ngggaatnaa g 491

<210> 13963
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H3
<400> 13963

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cgatgatgat aacgacgcta ctaatgctcc gatccaaatt gacgatgatc aaaccacat 120
tgacggcgat cgaacaacgg cgacgaatac tggnggaaca acaacaccag cgattactac 180
tacggctgct aagatctcgt caccgctcaa gatcttcgtc gtgttctatt cgatgtacgg 240

<400> 13966

gntggngnaa ttccacgctt ntcggtgccg gtcataaatt caanggggtcg acncacgcgt 60
ccgaatctct ctgtatcttc tcttgagtgg agcgaatata caaaagagtt ccgagtttct 120
ttcatccttc acgagcttat actttttctt ctccattcgt ttgtttttta cgatcaaaaa 180
caacggcgaa ggtattggaa ataagacaga agctgttagc tctgtttctc catgggtgtca 240
agatcttggtg ctaattttct agacttatca tcttgggacc ttttagattt tcctcaaact 300
ccacgaactc ttccacgcgt catgactgtt ccgggaatca tcaccgacgt agacggtgat 360
acaacctccg aagtaacttc tacctccggt gggtcacgtg agaggaagat cattgtagct 420
aacatgttac cantccaata taaaagagat gcagaaactg gtaaagtgtg ttttaactgg 480
gacgaagact ctctctg 497

<210> 13967

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-B4

<400> 13967

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tagatgtgga aatcaaatct acggctgata agtttttcat gttctctaga agatcacaac 120
atgcctcaa agccactcgc tatgtacagg gatgtgatct gtcgaaggc gagtggggcg 180
aagttggaag catactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240
atatgattga ggcgattgat atgaagatga atatgatcca gtggaggggtg ttagagggac 300
ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggag 360
ggtctggaag tgtggtgaag tggaacttga agtatgagag aattgatgag aaggtggctc 420
acctagagan g 431

<210> 13968

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B5

<400> 13968

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acncgtccgt ttctcgtcaa tctcaatcaa tggcttcnga agatactctc tctcgaatc 120
ctctattgca naattttgac ttccctccgt ttgactccgt tgatgctcac catgtcagac 180
ctgggattcg tgctctgttg cancagctcg aagctgaatt ggagcancta gaaaaagctg 240
tanagccttc atggccaaaa ctagtggagc cattagagaa gattantgat cggttatctg 300
ttgtttgggg aatgatcaat catcttaagg ctgtcaagga cacacctgag cttcgtgctg 360
ccattgaaga agttcagccg gagaangtga agttccagct cagggtggga cagagcagan 420
ccatttaca tgcatttaan gctattccaa gaatctccag actggaattc atttgagcga 480
aagctcgtca acgattaat 499
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<210> 13969
 <211> 262
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B6

<400> 13969

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ttttcacaat agaatcaatc aaaatcgaaa ctttctccgt ttangagtct tgatttgaag 180
gaananccaa tggcttcagc anatttcaen aaccaaacct taaccgcttt ctcttctcgc 240
tctgcgtctc cttttcaggc aa 262
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<210> 13970
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B7

<400> 13970

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 acccacncgt ccgcaataag cagcatctct ataateccta agattcaciaa tggagcttgg 120
 aggaaaatgc aatgcaatta caaccacaac aatgatctca acagaagtaa agccacatac 180
 ggatccggaa ccagaagcca aacccegaatc agatccatcc atggctttat tcccgatcaa 240
 gaaagaaaac caaaaaccaa agacacgtgt cgaccaagga gctaagtacc gggaatgtca 300
 gaagaaccac gcggcctcaa ccggaggaca cgtggtggac ggatgctgcg agttcatggc 360
 cggcggagaa gaaggtacac tgggtgcttt aaaatgcgcc gcctgtaact gtcaccggag 420
 cttccaccgg aaagaagtgt acggacacag gaacagtana caagatcatc agctgatgat 480
 aactccggcg ttttacagca gt 502

<210> 13971
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B8
 <400> 13971

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 caacactagc natncaaaat cttcaaccga aaatcanagc gattcaaciaa cgttacgcag 180
 gaaatcagga gaggatacan ctagagacat cgcgattgta taaacaagct ggtgttaanc 240
 cgttggcagg ttgcttacca nctttagcan ccataccagt ttggattggg ttatacnang 300
 ctctctctaa cntggccaac gagggantgt ttacacgaan gtttcntttg gattcc 356

<210> 13972
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B9
 <400> 13972

nngnnnnngna acttntaaac gtgtcagcng ncctgtaaga ggtcaagggt cgaccgaenc 60

gtccgcgtgg aaccacatcc tctttaagct cactagctga ttgatatcgt cttatacctt 120
 tggccgtttc gtctctctct ctctcgttta attacttgta cctatcaact cagtgatact 180
 ctcgcttctg agagagaaga gagaaagcga agctcgtttc gtatcgctctt ctttctcttc 240
 atccgacgct ggattcataa gggcattgat aattggactt gttggttaag atttgaatca 300
 acctggagct atgtcgagtt ttaatctgag tgtagatgtg aatcagaatg ggaatatcaa 360
 gaatgttgat tctttatcta cattggacga tattgatgac attgattttg ccaagttgct 420
 agagaaagcn angggcattg aatattgata gactgagatc acttgacgaa aggtccctta 480
 cngaataaac tggttt 496

<210> 13973
 <211> 110
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C12
 <400> 13973

aaactcagga ttgattcntt atgaatcngc accaagttcg tacttttcga gtttcgggtca 60
 atcactctat cgagttttta natctatcca caagtcttga ngctgaacga 110

<210> 13974
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C3
 <400> 13974

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 tgcagctcga aacttaattt agaatcatac ctttttctgg atttggctga cgaatccgtt 180
 ttcaattgca cgagttgctt cgccaggttt atcaacttaa gaatgtctaa ttatcaaggg 240
 gatgatgctg agtacatgga agatgtggat gatgaaatgg atgaggatga tttagatgag 300
 gattttcgtg gggatgatat ggctgcctct gattccgatg tcgatgagtt tgactactct 360

aataataaaa tagctgacac ttcagctgac caagcccgga aagggaaaga catccagggg 420
 attccttggg acangcttag tattacgaga gagacatata gacaaactag actanaacag 480
 tataaaaatt 490

<210> 13975
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C4
 <400> 13975

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 ctctctgctc tcaagataat tttgttctct caatttcatt cttaaaccct agttcttcga 240
 ttttttccga tctacgacaa tggcggagcg tgaaaccttt gctttccaag ctgagatcaa 300
 ccagttgctt tccctcatca tcaatacctt ttactctaac aaggagatct tccctcgtga 360
 actcatcagt aactcttctg atgcttttga caagattaga ttcgagtcct tgacggacaa 420
 gagcaagctc gatgggtcagc ctgagctctt cattcacatc attcccgaca agactaacia 480
 caccttgacc attattgata gg 502

<210> 13976
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C8
 <400> 13976

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 ataccatgat 70

<210> 13977
 <211> 276

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-D10
 <400> 13977
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 gatatctctt gttgcagagg gaaattatca acaagtatct gcagctgagg ctatagttga 120
 tatttctaga aagtctgggtc gagaaactgc tgcttgatc acttccttaa gcaaaaatct 180
 actttgggtc gccgacattt ctctctcggg tgctgaggac aacacaatag acacattgca 240
 gctgacagaa nagaagctan agganacga nacnna 276

<210> 13978
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-D12
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 atacaaccaa catttgctat tgcattggctn aatcttgctg gtcttttcan ggagtcaggt 180
 gatctcaaca gagcccttca ntactacaag gaagctgtga agttgaaacc tgcattccct 240
 gatgcatatt taaatttagg aaacgtgtat aaggccctcg ggagacctac tnaanchatc 300
 atntgttatc agcatgcctt acacatgcgg ccaaattctg caatggcatt tgggaatata 360
 gccagtatat actatganca angtaacta gatttagcan ttcgacacta chatcatgct 420
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<210> 13979
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G3

<400> 13983

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 atttgtgatt ccgattctta nggttttcac caagcgttcc ttcgcgacga gctctcaatt 180
 tttgaggtta ttgatttctt cttctgatcg aattttccgt atctgctagt gaattcttct 240
 ttctcagctc agggtttctc aattctccgt tctcgatctc ttgatacgat cgatctttcg 300
 aattgaatcc atttgtcaat ttttcggtgc antctcnttg gcggcgcaat catcatagac 360
 tttgggggat cgcttgtaat gngacgaatt tcacngtttg gtatctttta cttgcctgaa 420
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<210> 13984
 <211> 285
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G4

<400> 13984

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 aggtttcaca tgcccatggg gaggtggtct tctcaatgag gtcttcnctt tggagttggt 180
 cgacttcttc gagagcaaga ttatantggt ttggattcat tcttgaagg cttgcttntg 240
 ttggatgaca tcttcattcn tcttgaatgg taannanang aacaa 285

<210> 13985
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G6

<400> 13985

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tgctgggtat tagattcgaa tttctctttt tgtgatcaga aatggatcga gctccggtga 180
ccacaggacc gttggatatg ccgattatgc acgacagtga tcgatatgac ttcgttaagg 240
atattgggtc tggtaatctc ggtgttgctc gtcttatgag agataaactc actaaagagc 300
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tcattaacca caggtcacta aggcaccta atattgtcag atttaaagan gtcattttga 420
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attnca 486

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<210> 13986
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G8

<400> 13986

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agcagatctt ctgcttaatc tgtanacatg cctctcagac tagatatcaa gagaaagttt 180
gctcaacgat cagagagagt caaatctgtt gatctgcac ctactgaacc atggattcta 240
gcaagtttgt attctggaac cgtgtgtatt tggaactacc agacacagac gattacaaaa 300
tccttcgagg tgacggaatt gccagttagg tcggccaagt ttattccgcg caagcaatgg 360
gttgtggctg gagcggatga tatgtacatc cgtgtatata attacaatac aatggacaag 420
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<210> 13987
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H10

<400> 13987

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tgagaaaggt cagataatca taagtactcc tgagaaatgg gacgctctgt cccggagggtg 180
gaaacagaga aaatatatcc agcagggttag tttgtttatc gttgacgagc ttcatttaat 240
tgggggtcaa ggtggtcaag tggttgagggt aattgtctct agaatgagat atatttcaag 300
tcaggttggg aataaaatca ggattgttgc attatcaact tcccttgcaa atgccaaaga 360
tcttgagag tggattgggg ccagttcatg tggcgttttt aacttccgc ctaatgttcg 420
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<210> 13988
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H4

<400> 13988

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<210> 13989
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H5

<400> 13989

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gagatgttgg gctcaatcaa atagctctgt ttgaagggaa ggttgctggg gggaatgggtg 180
aacaggttct tantcgagat gtatacagac ttggccagct ccttgatttc ttccgtatga 240
tgtcattctt ctttacaacc gttggcttct atctatgtac aatgttgacg gtgcttactg 300
tgtatatttt cttataaggg aaggcatatc tggcactttc cggaatttgg agctactaat 360
cgagaaagaa ncaatcctcc tgggacgata ctgcacttaa ccccgcttg a 411

<210> 13990
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H7
<400> 13990

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gtccgcggac gcgtgggcgg acgcgtgggg ttcaacattt ggcggagtca aagaaacaga 120
gtgattctct gatccgattc cggcgaaaga ggacgaaaca aacggaactt gttcatcatc 180
ttctccagaa atgacgtcgt ttcaggatgat gcgttcttca aattcgagaa actcggatct 240
atctcgtcgc atctcttctg cttctacttc ttcttcgtct ataagacctc aacaacagtt 300
ccggcgagat ctaacaagtg tcggttacgg cggaagaaac gacggattat acagttcaaa 360
ttcgatgacg gtcgaaggga ttttacacga tactttcgca tcaagatcca ccaagcacca 420
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ggga 484

<210> 13991
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A1
<400> 13991

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gccacgcgt ccgcccacgc gtccgctaaa cctagaaaaa cgaaaacaca cgcggagtgt 120

ttgttcctcc tctacggtaa cgggaatata gtagttattg taattttgga aagctataat 180
 ggcgaagaga gagattagta gcactctgag aaatctaaag tttatgcaaa ggtcttctct 240
 gaaagtagag aagaagaagg ctgatgaaga agagcctaata gggagttttc cttcccttag 300
 gactgttgca aagaagtgtg tggtcataac aagattggga tcctcagcca ggagcattgt 360
 taggacgcat gtcttttcag tctttcaatc cctctatcga gaaattacat gaagaagcaa 420
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 aaccgggaga g 491

<210> 13992
 <211> 116
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A10

<400> 13992
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<210> 13993
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A11

<400> 13993
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 gatccgacca ccgcgtggct tggacgtgac ggagaatggc gagtaatcgt cggaagctcg 180
 acggacgacg gacgaggatt agcgattctt taaaaagca gagatttctt caactggacg 240
 caatcaatga agcctttaca ttacgaagac ttaaccggaa tgtgggaatg tcctgatttt 300
 ttcccgggtt cgataaccgg atcgacgggt gtagaaacgt cgtcggttgg tgagaatggg 360
 attnaagcat gtgcttaaag tgagtttgat tgagacattg catgaatatt acacgattgg 420

ggaattatga ttgtganaaa ngatgtttta cgtaccggat cntgggggttt tgtgccaaaa 480
 agaaatcagc t 491

<210> 13994
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A2
 <400> 13994

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 ctccctccct tcacattcgt aacctcggtc cagcggtgca acgagacaca aaacgcttta 180
 gttaacctcc acaacaactt attgcagcaa gttgtggcaa agctcaataa cgagactaaa 240
 cagtcgactt tcatcatcct tgatctctac aatgctttct tgactgtgtt caagaacaaa 300
 ggatctaatac cagggagtac aagggttgag agtccattaa agccgtgttg cgtaggtgtg 360
 aagccgcgag tataactgtg gaagtgtgga tgagaaggga gtgaagaagt atattgtatg 420
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<210> 13995
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A4
 <400> 13995

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 tgatcaccac cgtcacctcc accatcacca ccgcctact ttcccttttc aactactcgg 180
 aaaacacgac cccgacgaca accatcaaca acaaccttc cttcctcct cctcctctct 240
 attttctctc catcaacacc aacaattatc tcaatcgcaa cctcaatcgc aatcgcaaaa 300

gtcacaaccg cagacaacgc aaaaagagtt attacaaacg caagaggaat ctgcggtggt 360
 ggcagctaaa aagccaccgt tgaaacgagc gtcgacgaaa gaccgacaca cgaaagtaga 420
 cggaagaggg aggagaataa ggatgccggc gttatgtgca gctagggttt ttcagctaac 480
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<210> 13996
 <211> 94
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A5
 <400> 13996

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<210> 13997
 <211> 173
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13997

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<210> 13998
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F8
 <400> 13998

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aatccgatta tctatttcta accctgggcc gaccagaaaa ctttttggac gacccaaact 180
tcaagggttc taataaatc atcaccggaa aaagatacat ataaaataaa aatctctcac 240
cactgctgat tcaaatggtg aatcttggga gctacgtttt cgtctttgtc gcgttgtctc 300
tcaccgtggt ggttccatcg gttcaagccc acatcgccga atatgatgaa tactggacgc 360
agcgtcaaac caacgcattg cgagaaactt tggaatctta tgaccgaac ccagagaacg 420
tcacggacca ctttaactac catgccgcct tancatgga gacgacagg atagttnaca 480
aacng 485

<210> 13999
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B1

<400> 13999
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<210> 14000
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C7

<400> 14000
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cagagggtan acgttccagt gcttaatgat gaaacatcat caagtacaag caaacgtgtt 120
tttcaacana cnccgatatca cnttca 146

<210> 14001
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C8

<400> 14001

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attgcccgtg aactcaggat tccgctgctt caagtcaagg aagcggttaga acagctctca 120

aacgatgggt gcatatactc gactttggac nagacatgct tcaaatacgac tgctaacgct 180

tgatgaaaat tgattttatat gtcaacacat atcaatcctc ctctcatggt caaaagtctt 240

ttgtatangc cctaagggtan gacaatatgt agttttaaga ctaaaantct ttcttatggc 300

ttttggattt ttttaaaggg anctaaactc aaaaagttca aaatcatttc gtcacttgaa 360

aannnangnt na 372

<210> 14002

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-C9

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acatcgaaac tggtgaaccg tgtacgcttc gtcgtagtg atgcggagac gaaagatata 120

gccggaaaat cattggccta gattcaatcc attagagact catcggagac gtctacgtta 180

gcgtacccaa tcctcctcct cttctggggt gtttgctgat cacacatata ttctttcttc 240

gattctctct cagggcgtgt cctgtgtaat cgtttagtgg atgtgcaatg caaaggctgt 300

gtagaactag aagaagagtt tctgtgaaca agtttaatgg aaggaacagc ttttaciaag 360

tctctttgtc tcttgttttt ctcttttggg ttcttctctt cttttccanc ttgttgaata 420

atc 423

<210> 14003

<211> 384

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-D12

<400> 14003

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 cggcagtaac gtcgccgatc agaaagacaa cgctatcgaa ttgaacgcta ccaactttga 180
 ttcagttttc caagattccc ccgccaaata tgccgtttta gagttcttcg ctactgggtg 240
 ccctgcatgt agaaactaca agccacatta tgaaaaagtt gcaaggctat tcaatggagc 300
 agacgcagta tatcctgggt gtcgttttga tgaccagagt tgattgtgcg ataaagatga 360
 atgtaaaact ttgtgacaag ttcc 384

<210> 14004
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-D4
 <400> 14004

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 acatctccgg catgaagggt ctcatactcg actccgaaac ggtagcaat gtaagcattg 180
 tgtattcaca gtcagagctg cttcagaaag aagtgtttct ggtggagatg atanattcaa 240
 tatctgtgtc aaaagaatcg atgtcacatc tgaaagctgt ttatttcac cncnaactt 300
 cagataatat tcagaaanta cgataccagc ntgcgaatcc tagatttgga gantaccant 360
 tantttttctc aatctgttga aggatactca gaanccnatt tggctgattc c 411

<210> 14005
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-007-Q1-E1-D5
 <400> 14005

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 aacgccgatt tggttcaccga ttgagccaaa atcgcggcgg tccacgcaga aatagcgctt 180

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-D8

 <400> 14008

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 ctttgagggt ttctgatgag agcctcgctg agaagaacaa gaacaaactc caattcatcg 180
 aagacgtgac cacgaacgca gatgatgttc agagacgagt tcttgaagag atcctttcac 240
 gtaatgctga tgtggagtat cttaaacgac acgggctcga aggacgaacc gatcgtgaga 300
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<210> 14009
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-D9

 <400> 14009

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 cgaagcaccc ctgagatgtg gcctggccta atacagaaag ccaaagaagg aggcttggat 180
 gttattgaga cttatgtttt ttggaatggc catgaacctt ctctggaca atattatttt 240
 ggagacaggt atgatttggg taagttcatc aagttgggtc accaagctgg tctctatgtt 300
 aatctcagaa ttggccctta tgtttgtgct gaatgggaat tttgggggat ttccggtttg 360
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 tgaanaaaa 428

<210> 14010
 <211> 362
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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CCDS:14010.1

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cacaaatcga aagggcaaca tacccttaat aaccctctgc ttgtggattc gatcgttcag 180
aaagctggta tcaagagtac cgatgtgatt ctcgagatcg gtcccggtag tggaaacttg 240
accaagaagc ttctanaagc tggcaaagaa gttatcgccg tcgaacttga ctctcgtag 300
gttctcgagc ttcagcgccg ttttcaanga actcccttct ctaaccgctt gaatgtaant 360
ca 362

<210> 14011
<211> 68
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E3

<400> 14011
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gtacncaa 68

<210> 14012
<211> 189
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-E4

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ncatctccga ttcgataaac acattgggga atggatgctt gctttcgtct tntcancag 180
atcngaanc 189

<210> 14013
<211> 424

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-E9
 <400> 14013

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 attctctatc ttttcttggg tattgttgct gggtagctg gtgttcggct ctggagaact 180
 gtcaagggga cttcagaagg atggagatca ctttcctggt ccattgcatg cttcttcccg 240
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 ggagccatcc caatctcttt gtattttgag ctcttggctc tctggttctg catctcgggt 360
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 gaga 424

<210> 14014
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F10
 <400> 14014

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 tcgtctcgtc tccctcgcat ctccactcaa tctctcgtg tcccatcgat aaaatgcagc 180
 anaagcttac ctaaccgaga tacagagact tctcaaagg attctctcct taaaaaccta 240
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<210> 14015
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F11

 <400> 14015

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 tttgtgagaa caacgtgtcg cgtttcgatc cctgntgggt ctttggggaa tgantcaaaa 180
 gcanctcaa ngtttcngan ggataaaaag attggttccan atgctgatcc cccaatatg 240
 gaagatatcc acaagttgta tcgacttttt gagcaaagct cgagacncac catcntgant 300
 ggagctgggg ttagcacaga atgtggaatt ccggattaca gaantcccaa tggagcatac 360
 agttctgggt tcaaaccaat taccatcan gtgatctgaa tgaatttact cnatca 416

<210> 14016
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F12

 <400> 14016

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 aaacgaatth tcttgtactg gctttgtctt tgtgtatcct tctttcaagc ttccatgagg 120
 tttcttgtca ggatgatggg agtggtttga gtaatttggg tctaatagaa cgtgattatc 180
 aagatagtgt caatgctctt caaggcaagg acgatgaaga tcagtctgca aagatacaga 240
 gtgaaaacca gaataacact acagtgactg ataagaacac tatttctcta tctctatcag 300
 atgaatctga ggttggatct gttagtgatg aaagcggttg acgttcgagt ctgttggatn 360
 aatcaaact tgaattcgaa gctcatcaca atagtattaa cc 402

<210> 14017
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-C3

6812-006-Q1-E1-H8

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gctttgattt ccaaccatgg aaagactaat ctanccttca acctccgccg ttcaatccca 180
tctcgccgcc tctctgtttc ttgcgcggca aaacaagaga cgatagagaa agtgtctgct 240
atagttaaga agcaactatc acttacaccg gataaaaaag tcgttgcaga aaccaaattt 300
gctgaccttg gagcagattc tctcgacacg gttgagatag taatgggttt agangaagag 360
ttaaacaatcc aaatggccga agagaaagca cagaagattg ccacagttga acaagctg 418

<210> 14018
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F6

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tttttttttt actcagtttt gaaaattcga taagtattct agctctagaa ttccatatct 180
agggttttttg ttttctccta gatagtctga agaatacaatt gtaatggctc gtggaattac 240
acggaaacag ttttgttgta ataatggagc atcagttttc tttggttgaa tgaaaaatca 300
taattttttt gactaaaaaa aaaaaaaaaa antaaaaaaa aaag 344

<210> 14019
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H8

<400> 14019
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caaaagagga gaaatggagt caatgaagat gaagctcata gtggtgttga tgggtggctat 120

tgtggctttc tccgccgtag gaaacgtggc tgcncgtaca gaggctccgg ctccaagtcc 180
tacttccgat gctgctatgt ttgtcccggt attgtttgca tctgttgctg ctttggcatc 240
agggtttctc ttctaaactn ttctcaacat tcattgagtt aanggtccaa aatgggttgg 300
cctttnactt ccgttaagtc ctaatggcat gagctttttt gtttaattgt tctgtaataa 360
tttgggacta actaatgttg ttggtgttgt aataatgaat tcaataaatt aataacnata 420
atttaaangg gntttgaatt tccctttccc aaaaaaaaaa a 461

<210> 14020
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H9

<400> 14020
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cacggtccg naaatctctc tttctctcaa actctctcaa caacaacaat ggctctctt 120
caacaaactc tattctctct tcaatccaaa ctcccacat cctccttcca natcgccagn 180
tctctccac tccgaaaaac cttcccaatc cgaatcaaca acggtggaaa cgccgccgga 240
gcaagaatgt cagccaccgc agcatcangc tacgcatgg cattagcaga cgtcgcgaaa 300
agaaacgaca caatggaatt aacagtcaca gacatcgaga agctcgaaca agtcttcnca 360
gatcacaagt actaaacttc ttgcggaatc caacaatcac cgtcgagaaa gaangtcaag 420
tcatcgacga tatagtgaaa tncgtcgtcc tncatctcaa aatctaattc ctangtctc 480
gtcnangnga aa 492

<210> 14021
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A10

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tgtggaatgg tttcttggtc cacatccata cacgtatccg ccttatggta ttgagatgat 120
 tcatgaggat gatgaagtan cagtantca tcancatcat catcaccaga gcggtgagta 180
 ttacagagag tatgaagatc atcgtantag cgatgtngat aacgatgaga tcattgctan 240
 aactctccaa gacgattttt tgcagcttga aatcgagaa agtaacgatt attcgcatca 300
 gaatcaacaa caacaacatc aacaagaagg ttataactaac aactatacgt aataacaaca 360
 atggttatgc ttggaatgat cagtctcctg ctgtggatta ntcctcaciaa tggntagga 420
 natgataatg atcnag 436

<210> 14022
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-A11
 <400> 14022

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 acgtcccggt ttaatcgggc tctcggttcgg cacctccagc tttttcagtg aagatgaccg 180
 actcttttcc cgacagcata cggctccatc agcgggtgttg gtcggatttt agttttactt 240
 tggccataga tgagttactc tcaccttttg gtctttgttt tcccttcaat aatttcagca 300
 attatgtgtt ggtgataacg atttaggtgc tatgttgctt aaactgttga ttatccgact 360
 catgttggtt gaagcttggg tttacaggaa ttattantaa tatttgcagt ttataattga 420
 agagaagaa 429

<210> 14023
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-A2
 <400> 14023

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tggagagact aaaaggacac cacaagctta tttcataaga aacttcaa at tagaatcaga 120
aacaagagca tccttcttca tttacacagg taaattaggt gtaaaaatgg tgatgagaag 180
tgtggatcta cgatcagata ccgttactag accgacagat gcgatgagag aagcaatgtg 240
taacgcagan gtggatgatg acgtcctcgg atatgaccca acggctagac gtcttgaaga 300
aggagatggg ctaagatgat gggggaaaag agntgctctg ttcgtgccaa cccgggacaa 360
tggggaaatcc tgatnangcg tgatgggtca actgcgaacn ttagaaggca ccnaaggtga 420
atcctgggng aacaaattgt cacaatccat gttttacaaa 460

<210> 14024
<211> 522
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A3
<400> 14024

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agcagacatt cttgactctg ctttggtgag gccaggacgg tttgaccggc aggtaagtgt 120
tgacgttcct gacgttaagg ggagaacaga tattctcaag gttcatgccg gcaataagaa 180
gttcgacaat gatgtttcac ttgaaataat agcaatgaga acacctggat ttagcggagc 240
agatctcgct aacctcttga atgaggctgc tatattggcc ggaaggcgag cacggacatc 300
gatatcatct aaagagattg atgactccat tgatagaatc gttgctggca tggaangaac 360
agtgatgacc gatggcaana gcaaaaanct gggtaacctt accaatgaat ttggtcatgc 420
antgtgttgg aacattgact ccaaggaaat natgctgttc caaaagttac gttgatanca 480
anaaggcaaa ncaagaagtc cgacttggtc aattccacaa aa 522

<210> 14025
<211> 539
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A5
<400> 14025

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 tcatccgcga aacgggatag caaagcggct ggtgaaagta gcgctacaag aagcggcaaa 180
 gaagagagag atgagatact cagacctgaa naagatagac agaggagtga ggagacattt 240
 ccacgatgac atatcagtga ttgttgtctt ctttgatata aacctagtga gcagagggaa 300
 gtatgttgaa gaggacaagc cgtgtcagtt gagaaggagc ggttgtgatc tactcacanc 360
 accctggcgc cttgcaccac gcccaacncc aagctgctgc tgctggcgcc tcctgacaat 420
 tgaattttta ccggtgtcct taaaattctt ccaagattcc ttcttggtac ctanatggta 480
 nnnntanata ntttgnttnn taattatcat tgactgggga aaaggattnt ccaccatcg 539

<210> 14026
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 tatacttaca cgattatgat caggactatg gggaggattg ggaagtgtga tgaagctgtt 120
 ggtttattta atgagatgat tactgaaggg cttacgctta atgttgttg ttataatact 180
 ttgatgcaag ttcttgcgaa aggcaaatg gttganaagg cgattcacgt tttctctaga 240
 atggtggaaa cgggttgtcg gccgaatgaa gtatacgtat aatcctcttt tgaatccttt 300
 agttgctgaa ngtcaacttg tgaagttaga tggagttgtg ggagaattcc aaaaggtata 360
 agactcaagg gatanaatcc taattngtta aaacgttnaa caagttaagg catttannta 420
 agctcacaag ctgttttgtg anaagtngaa cc 452

<210> 14027
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-A8

<400> 14027

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caaatcagnc c 71

<210> 14028

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-A9

<400> 14028

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aatcttcgaa taagaaggaa acttctagag gaaatgttaa ggagggatca aaaacagctg 120
gaggtgaaga agctgtgtct aatgtgacaa agcagaaggc tgctgctgcg aaacagtata 180
ttgaaaatca ttacaaaaaa caagttcaaa gtcagcagca aagaaaagag cggcgtgata 240
tgctggaaaa taagttagct gctgcagaag tctctgagga agagcaaaag aatctgctta 300
aggatctaga gaagaaggaa actgaataca tgcgccgtca gagacataaa atgggaactg 360
atgacttcga gccattgaca atgatangaa anggggcttt ggagaagtta ggatatgtna 420
gggagaagac acagg 435

<210> 14029

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-B1

<400> 14029

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ccataccacc agcagtggcc gccggcaggt gcgccgctc ctccagccgc agtatcanca 120
gctgctccac cacatccgcc gccattcat caccatectc ctctectec tgttttagtt 180
gacaaccata atcgtctctc ttatgacgag ctgcggacaa tcttcategc agggcttccc 240
gatgatgtaa aagagagaga gcttttgaat ctcttgagat gggttgcttg ttacgaagct 300

gatgttcgtc ggtagcgtac ggtgcgtcgg aggagattgg accattcang ataagcaaag 360
 gtgggtccgg tttgtatctc aacaaagttc gcatgggaac tcaatctcca atccccctgt 420
 tcctcgaaa 429

<210> 14032
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-B3
 <400> 14032

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 acgcgtccgt ttctctctca gcttacgaac aagaaaaaaa gaagaatctt tagccacctt 120
 tgagatcaaa agatgaacat cgctcacact atcttcggcg ttttcggaaa tgcaactgct 180
 ctgtttcttt tcttggtcc ttcgataaca ttcaagagaa tcatcaagaa caaatccact 240
 gaacaanttc tctggtatcc cttatccaat gantctctc aantgtctcc tctctgcttg 300
 gtatggactt ccccttgtgt caaaagacaa cacacttggt agcacaatca atggcacang 360
 agcagtgatc gaaacagtct acgtgttaat cttctctttc tacgcaccat agaaggagaa 420
 aattangatc tttggtatcc tctcttttgcg ttttggctgt attcgcaana ataactcncg 480
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<210> 14033
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-B6
 <400> 14033

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 ggntaatcat g 71

<210> 14034
 <211> 444
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-H6
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 agaagattac aaattcttgg atctgtgatt ctctcggtct ctctcangt cgctcactct 180
 ttttaccttc ctgggggttg tcctcaggat ttcgncggag ggagatgaat tgaaagtga 240
 agtaaanaag ttgacatcta taaagactgn gcttccatat tcgtattact ctcttccttt 300
 ttgtcgtcct aagaagattg tggacagtac tgagaatctt ggtgaagttc tcgtgnggga 360
 ccgaatcgaa aatgctcctt aatcgtttaa aatgcgtgag gngcaaattg ggtantgttc 420
 tcggnctgta agcttggatg cana 444

<210> 14035
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-G10
 <400> 14035
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 cggtgtcgtt gttcctctcc taaaacctcc atcaatcacn atctctttac acagagctct 120
 aaccanaatc ttcgagagat ggggcagagt atgagctgtg gaagtcgacc ggagcacgga 180
 atattcgctt ctgtacantg cggcgatatn atcacgatcc gtcgtgtgat ggcgacggag 240
 cctagtctgt tgaatcaaac tactccttat gatcgctact ctgttcttca tgctcgtgct 300
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<210> 14036
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G12

<400> 14036

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cccgttttaa tcgggctctc gttcggcacc tccagctttt tcagtgaaga tgaccgnctc 180
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gttgttttna ccttggtttt acanggattt attnntnang atttgc 406

<210> 14037
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G2

<400> 14037

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tctgttagag gaagcaatcg cagctctttc cacattctcc ttagaggatg agcaaccaga 180
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cctanaaaca tat 433

<210> 14038
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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60 120 180 240 300 360 420 480

<400> 14038
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accaacaaaa tttttagatg ggcagtttca gtctttcaca gccttgaatc tgtgatgaag 240
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gtcaagaccc tttagaaaac ccaactcacc ggaatcctgg ttgaaagaat gggttaataa 360
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<210> 14039
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<211> 448
<212> DNA
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<210> 14041
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-G8

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 gttaaangga ccaaacca 438

<210> 14042
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-G9

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<210> 14043
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H1

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ggggtggtgg ccaaagaaan ggtttgttat 450

<210> 14044
<211> 95
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H10

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<210> 14045
<211> 112
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H11

<400> 14045

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<210> 14046
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H2

<400> 14046

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tctggtgctt tcaaatatag acacttgaat aaatcatcgg atcttgtgat cgagctacgc 240
gcaagaggat taactcctac tgttgcncct atatggtgct ctcacatcaacg gctggtgcaa 300
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<210> 14047
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14047

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ttgacttcct tggttcagaag agattcngnt ttccagttga cantgttgan ctttatgccg  300
aagaagggtta acaacaagan gtcctcctgt gccatccgct caaggctgaa tccttacgtt  360
tnccgtcctt ccntgggtggg ccccnctggt ccctaagggc ntggctaata gtgttggtta  420
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<210> 14048
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-H4

<400> 14048

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cacaagcaca agctcaagtt ccatgtttct ttgtttttgn cgactctttg gttgacaatg  180
gaaacaacaa cggtcttatt tctattgcaa gatggnaatt acttcctta cggtatcgat  240
ttcggcggcc ctaccggccg tttctcnacn gcaagactac tggtgatgtg atcgctgagc  300
tacttggatt aaatgggcaa aatccctggc ttaaaanacc ggtgaagttg gccgggaanc  360
tggctcctcc gggagtttaa ataaccntt ccgcnagctg gctgggaatn ccggggaaaa  420
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<210> 14049
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H5

<400> 14049

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atccataatc atggccgcca ctgcttcttc cgaagcttct ganggaccag tgatgggtct 180
catcaacaag cgtctccgtg ctctccgtaa gaaatcnaac cgaatcactc aaatggaaga 240
atcgatttct caaggcaaaa ccctaaangn ngagcaagaa gaagtcctcc gctctaaact 300
gccgtcgtca tcctaatega cgagcttgaa aagatcntgc tcctctctcc gccgctgtga 360
canaggaaat cagcctcgct actcagctta accgtgcttc atccgatnaa acaacgcac 420
tgagcaaaag gaantcactg att 443

<210> 14050
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G1

<400> 14050

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ggtggccgca tcatcatgcg tcgtaccgtc aagtctactc ctcagagcag ntggtacgga 180
ccagaccgtc ccaaatacct aggaccattt tccgaaaaca cacnatcata cctaaccgga 240
gaataccctg gaagactacg gttgggacac cgctggntc tcaagccgat ccagaaacat 300
tcgcaaagaa tcgtgagctc gaagtgattc acagtagatg ggcaatgttg ggagctttag 360
gctgcaccgt ccctgaaatt ctctcaaaaa acggagtcaa attcggtgaa accgtgtggn 420
tcaangnang atttcaaata ntctcaaaaa ggngg 455

<210> 14051
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E6

<400> 14053

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cttatttcct tgtgcttgat gacatcatgg acaactctgt cacactcttg tggccagcct 180
tgttggttta gaaagccaaa gggttggtatg attgccattn cggatgggat tctacttcgc 240
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gttgatttgt ttaacgaggt agagtttcaa acagcttgcg gccagatgat tgatttgatc 360
acganctttg atggagaaaa aagatttgtc naantacccc ttgaaatcaa cggcggtatt 420
gttgatnana aaacaancta atacnaatt 449

<210> 14054

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-E8

<400> 14054

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cgaaatcctc tgcttcatca tttgaacttc gatttaaggg ttcttgaatc ttcgaataaa 120
aatctcacct ttaaatggga aagccaacgg ngaagaanag aaatccggag acgccccaaag 180
atgcttccgg cggcggcggc ggcgggtggag gctngtcagg gaaaacttac catcggttcta 240
cttcgagggg atttgacgaa gatncngaga ttttcattag cagagcactt gagctcaaag 300
aagaaggtaa caagttgttc cagaaacgcg accacgaagg tgcatgttg agtttngaca 360
aagccttgaa gctcttgccc aaagatnata tcatgtttac ttatcttana acgantangg 420
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<210> 14055

<211> 502

<212> DNA

<213> Arabidopsis thaliana


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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-006-Q1-E1-F3

<400>      14059

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tctttggcctt ttctcctcct gttctcatgg aagcttcacc caatgatcgg gttcattttg  180
gcaaaatggg tttcgggtgt aagcattaca agaggagatg nnctnatcag agtccatgt   240
tgcaacgaag tcttcgattg tcgccattgt cacaacggag aagcactagc acattgcgca  300
atatctacga acgtcacgat cttgttcgtc aagacgttaa acaagtgatt tgttctctgtt  360
tgcgatacng gacanccggg agtcaagtt tgttccaatt gtggtgtcaa catgggaaga  420
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<210>      14060
<211>      450
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-006-Q1-E1-F4

<400>      14060

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aagaagaaag agtaagtgca acagaatcaa tggatatttc cggtgagatg acgacgacga  180
caacgagacc tgagcaacga tcgaagactc ttcacaattt ccctctcccg aacttatggg  240
ggaatcaaga gacaactcaa gtgcacgaag ncngactcta tcagcaacaa caacaacaac  300
ggaggaagtc ccggcggcga tnaccgacta cgacgccgat ntccgcctct ggaattcgct  360
tctntctccc gtttcgatgc cgtttcgatt cggtaactcc gatnatccgc gaacgtttaa  420
atccgggaaa cgaagaaagg atnnaanagt                               450

<210>      14061
<211>      463

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<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14063

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 atttgagctc tccggaattc ctccagctcc tegtgggtgc cccagatca cagtctgctt 180
 tgacattgat gccaatggta tctcaatgtc tctgctgagg acaagaccac cggacagaag 240
 aacaagatca ccatgaccaa tgacaagggt cgtctctcca aggatgagat tgagaagatg 300
 gttcaagagg ctgagaagta caagtccgaa gacgaaggag cacaanggag aaggttgaan 360
 cccaagaacg ctctcgagaa ctacgcctta caacatgagg aacacatcca angacgagaa 420
 gattggtgag aagctc 436

<210> 14064
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-E2

 <400> 14064

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 agggtttccc attgctaaaa tggctgcaa gttgtctggt ggncatacct tggatcagat 180
 tcctaattgat atcacgagga aaacaccggc tancttcgag cctccatcg attatgtggt 240
 gactaagatt cctcgatttg catttgaaag gtttcagga tttcaagcca ttgctaacga 300
 accaaatnaa atcctgttgg gggaaaccaa tgggctctc cggccgttac aattccaaag 360
 aatccttttc nagnaaaagc tcctgaangg tcctctggga anttggtgga attcctcng 420
 ggtttggggg nttgttgcaa aaaaanttaa aangaanta anaatttggg aactngggaa 480
 tnaaacc 487

<210> 14065
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E3

<400> 14065

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 ccaccggaaa agtgaagaaa gctttcggag gaagaaaacc acctggtgcc ccaangacca 180
 aatcggtttc gaaatcgatg aaagccggtc ttcaattccc agtggaaga atcactcgtt 240
 tcctgaagaa aggacgatac gctcagagac ttggtggtgg tgctccggtt tacatggccg 300
 ccgttcttga atacctcgcc gcaaaagttc tggagcttgc tggtaacgct gcganagata 360
 acaagaaatc aaggataatt ccgaggcatc ttcctccccg cgataaagga acgatgaaga 420
 attggggaaa acttctgant tgggtgtcaca atcgctcacg gtgggtgttt tgcctaaaca 480
 tcaactctgt tccaaattgc ctaaagaagt ctgg 514

<210> 14066
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E4

<400> 14066

taaanccctt cctntccttc aaanaccaa gggggaaatc aatcaaacta aagcctcctt 60
 caaccaa 67

<210> 14067
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14067

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cggtcaccag tcagcgaaaa gtacggaacg atttggagga aacattacca aaaccataca 180
tggcaagagc attagcagct ccagatacag agcatccgaa tggaacagaa ggtcacgata 240
gcaaaggaat gagtgttatg caacaacatg ttgctttctt cgacaaaaac gacgatggaa 300
tcgtctatcc ttgggagact tataagggat ttcgtgacct tggtttcaac ccaatttcct 360
ctatcttttg gaccttactc ataaacttag cgttcaacta cgttacactt ccgagttggg 420
tgccatcaca attantgccg gg 442

<210> 14068
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E8
<400> 14068

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taaagggtatt gatggaacaa ccgaggaaca nnaagacctc tcaagaacaa gctcgtgaat 120
cgctcatcga aatctcctac acttcacccg aggaagacga ggttataacc tactcagatg 180
tgaagcctgt cacctatatc tcaaacggaa gtgccaaagg aaacaaagat gatgcggaga 240
agctcagaga tgagctgatt tcgatatcct acgacgagtc accgtcgcct tcaccggatg 300
tggatgtagc tgtttcgccg accctgccga acggtgtatg tcgtggatag gaagttaatg 360
tacagcttga agaagtcttt actttcntat gcaaaaagac ttttggnntg ggtccaaaaa 420
gttgacca 428

<210> 14069
<211> 365
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-E9
<400> 14069

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tttggttata gttcgtttgg ttactttttt tgatgaaaca gtttcgttta agtcttcttt 240
gtctggaacg aaatgttaat tcgcgtgttg ttactaaat ttataacgtt tccttttaac 300
caagattcga gattttccct caaataattt atcttgtag acacaanaaa naaaaaaaaag 360
ggcgg 365

<210> 14070
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F1
<400> 14070

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gtaatgatga taatgggtgtt gggtgtctct tgtgggtgaag ctgtttctgg agctaagtgc 120
gatgagcttt atcgggtcaag ctgggctatg gatcattgtg tcaacgaagg cgaagtcaca 180
aaactcaagc ttgacaatta ctctggagct gggtttgaat caagaagcaa atacttgttt 240
ggtaaagtct ctatccagat taagcttggt gaggggtgatt cagcaggaac agtcactgct 300
ttctacatgt ctccagatgg tccgaaccac aacgaattcg attttgagtt cttanggaac 360
actaccggcg agccttacat agtccaagac caatatctac gtgaacggat tggnaacaga 420
gaacaaagac caacc 435

<210> 14071
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F11
<400> 14071

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gtaacgaggt attggtgtca tatgtgttct caaactgtga atccagtcac ggaagctgag 180
atcaaatgtc ccttttgtca aagtgggttt gttgaagaaa tggaagatga cgacgatcat 240
gattcttctg atccggtgta tggttagagca aacaactctc tttgggcgcc tatcttgatg 300
gaacttatga atgatcctgt gcgtcgtagg agaaaccaga gtgttgagtc tgttgaagat 360
aatcaaaaacg aggtacagac cgagaacaat gaagacgatg gagaaaatga tttggattgg 420
cagcttcaag agattctcag gagaaggaga agacattccg ctgctgtttt gcagttgctt 480
cangggatac gaacanggtt gtctgtanaa tct 513

<210> 14072
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-004-Q1-E1-F2
<400> 14072

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aattgtattc cctggattct gattctctca ataacctcag acccgatatac ggtctgatct 180
ttcttttcaa atggcaagct ggggaaaaag atgagcgtcc aacgatccaa gatcaagttt 240
cgaacttatt tttcgcaaat caggtcatta acaatgcttg tgcaacccaa gcgatccttg 300
ctatctcttt gaactctcca gaggttgaca tcgggcctga actatcagcg ctgaaagaat 360
tcaccaagaa ctttccatcc gacctcaagg gtttggctat caataacagt gattcaatcc 420
cgggctgcgc acaacagttt cg 442

<210> 14073
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F3
<400> 14073

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gtcttcatga atttcaagtc taacaattcc tagccgttta caatttgacg gcacaattct 180
tcattccttg tcgtgcccgg aagtaaaaag atgatctttt tggtttctga tgagataaaa 240
cagagatctt gttaacactt ataagcagac ccaactcggg aagctatggc cgctattcgt 300
tttgcgggcg cgattctgat ttgctgttta ttaccggcgg cggttttgtc ttacggtttc 360
ccggcgggcg tgaaacttga aagagttatt ccagcgaatc acgaaatgga acttagtcag 420
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<210> 14074
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F4

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ggaacgttaa ttggtataaa cacagccatt tattctcctt ctggtgcatc ttctggagtg 180
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ggagtgaagc gtgtgctcgt cttggatgct cctccaagt gtccagccgg caaagccgga 360
cttcagtcaa caaaacgtga tggttacggg agactagtag tangagacat aatcacgtcg 420
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aagtcggcga tgangtgacc g 501

<210> 14075
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F5

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<210> 14076
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-F8

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 cgccgagaaa ggtttcccaa tctcagtcta caatcgaacc acttccaaag tcgacgaaac 180
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 cggtgaccaa acaatcgacg ccttctccga atacatggag ccaggagatt gcatcatcga 360
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 gattgctcta tttaggtatg gga 443

<210> 14077
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-004-Q1-E1-G1

<400> 14077

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 aaattcagtt atgtttctctg caagttttct tcggagaagt tcacttcact acagcgatcat 300
 tatcgatgcc gggagttcgg ggacccgaat tcatgtgttc gggactcggg tttgagtcgtg 360
 ggaaaaccgt tttcgatttc ggagaagaac attacgctag tctgaagttg agtcctgggtt 420
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<210> 14078

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-G2

<400> 14078

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 aagagtgtga tcgagccgat caacggctct gattcatcag attctggtcg tcttcatcat 180
 gaacctgtga ttacttcctc acgaagcaac gagaacccta aatctgatct tgaagaagaa 240
 gatgaaaaac agagcatgaa ctctgtttta gatgttcaat gggctcaggg gaaagcaggg 300
 gaggatcgtg tacacgtggt tgtatctgaa gacaacggat gggctcttgt cggaatctat 360
 gacggattca gtggtccaga tgcgccggat tatctcctca acaatcttta caccgccgtg 420
 caaaaggagc tcaatgggtt actttggaac gacgaaaagc ttagatcttt aaggagaaaa 480
 cggcatgacc aaaaccggaa aatg 504

<210> 14079

<211> 380

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<400> 14083

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caatcgccgg tctctacctt caatattcag tttcaacaaa gagcgtgtct cacgaagagt 180
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cgggtggatcc tctgattggg cagaagttga gggagcatgg gtgctgaaac caagaaactc 360
gaaaccgaag atgggtgttc atttcattgg gcggtatatt tgcggtgca acaacacaag 420
cttactatcg aatggg 436

<210> 14084

<211> 316

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-B8

<400> 14084

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caatacccg cgaagatcac tctcgggtcg gatctttccg tgtaagacc gtccggatct 120
atccccgacc gatcaatttc acgaagtgtt ctccttcaat cgaataaagt caantgcttt 180
catcaaaatt taccgcgcaa ttgaagaagg aagaggaacc aaacctcaa tggagagaag 240
tgagtcggt gatgaagatg tccaagcatc tgnnnattaa agaannaaca aggtncctna 300
agaaantntt caatgt 316

<210> 14085

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-C1

<400> 14085

tgnnggaatt ctcccgncg tacgggtccan naatcccggt cccaccacgc gtcnnnccg 60

caacaatatc ttttgctttc tctctcattc ttcaccagta acaagcccat ctctcgattc 120
 ttcactctca aggaaggaga cgttttgaaa atcagaaatg gtgaagatat gctgcatagg 180
 agctgggttat gtgggtgggc caaccatggc ggtgatggct cttaagtgtc ctgagattga 240
 agtagtcggt gtggatatct ctgaaccaag gatcaatgct tggaacagtg ataggcttcc 300
 tatttacgag ccgggattgg aagatgtggt gaaacaatgc agagggaaaa acctcttctt 360
 tagcacagac gtggagaaac atgtatttga gagtgatatt gtatttgtct cagttaacac 420
 tccaacaaaa cacaaggctt tgggtgctggc aaagctgctg atcttactta ctggganaat 480
 gctgctcgga t 491

<210> 14086
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C10
 <400> 14086

ngnggtnnng gantgtntng ccagnnncta cgccgggtca aaaccgggtcc anacttcccg 60
 gggccaccca cgcgctccgca naaccgtttt catcggaaga agaacaagtt ggattgattt 120
 tgctttggat ctcacatctg agatcagatt aatctctctg tgaagtcgaa gaacgaaacc 180
 ctagnccccca tggatctctc ttcacgcttc tcatcgatcc ttatccttct cttgatctcc 240
 atctccatag cttcggttga gattcgtaaa tcagagatcc gatccgatga tcgtccaatc 300
 atcccttttag acgaattcgg tttcactcac agcggctgctc ttgagcttga cgcttccaag 360
 atctggcttt ccaacagcaa tcccgatctc gatctctcca aagtgggctt ctttctctgc 420
 actagagacg cttgggttca tgtgatccaa cagcttgaag aagaagagat cacgtgctgc 480
 ctacaatcag atctcggttaa gcatgtgttc acctt 515

<210> 14087
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C2

<400> 14087

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ggntgnngna actcnagccg ntcgtaccgg tccangaatt cccgggggncc accaacgccg   60
ttccgaaaac cnctaggtga cttaagagta aaaaatggta gaggcagagg ttgaagtaga  120
tgtggaaaatc aaatctacgg ctgataagtt tttcatgttc tctagaagat cacaacatgc  180
ctccaaagcc actcgctatg tacagggatg tgatctgctc gaaggcgagt ggggcgaagt  240
tggaagcata ctcttgtgga aattaactgt tgatggagag ccaaaagtgt caaaggatat  300
gattgaggcg attgatatga agatgaatat gatccagtgg aggggtgttag aggacctct  360
gaaggaagag tacaatatatt tctcgaaaac gatgaaagta agccctaagc aaggagggtc  420
tggaagtgtg gtgaagtgga acttgaagta tgagagaatt gatgagaagg tggctcacct  480
agagaagctc ctcaattctt cgtcga                                         506

```

<210> 14088
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C4

<400> 14088

```

gntgnngaaa ntctaccggt ncgtaccggt cctccaattc ccgggggnccc acccacgccg   60
tccgaancat gggccaattt gcgatgcaaa acagagacat agtagccatt gctaaaacag  120
gctcgggaaa aactttgggt tacttgattc ctggtttcat gcatctccaa cggatccaca  180
atgattcacg aatgggcccc acgatcttgg tcttgtcccc tactagggag ttggccacac  240
aaatccaagt tgaagctctg aaatttggca agtcatctaa aatttcgtgt gcgtgtttgt  300
atggtggagc acccaagggc cctcagctga aggaaataga aagagggtgta gatattgttg  360
ttgcaactcc cgggcgactg aatgatatcc ttgaaatgaa gagaatcagt ctgcatcaag  420
tatcttacct tgtgctggac gaagcanata gaatgctgga catgggggttc gaacctcaag  480
atcagaaaaa ttgtgaatga ngttcccaac                                         510

```

<210> 14089
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

acgcgtccga aaaatgatgt catcaatggc actctcttct acttcctct gctcttcttt 120
catctctcaa catccaaaac tctccatcac tgcttctcct ccattgttcc atacccaaac 180
aaccaaacc atctctgtaa aacggaaaat cataactcta gcagctccag agacactcac 240
cgctgaaaca gtcaccggaa ttgatacttc cgacaacact ccacaacaaa caataaaggt 300
ggtgaagcca gatgagaaat caagagtggg actcaagttt gtgtggatgg agaagaacat 360
aggattagga ttggaccaac atgtacctgg acatggcaca atcccactta gtccttactt 420
cttctggcct aggaaagatg cttgggaaga gcttaagtct actcttgaag ctaaaccatg 480
gatctctcaa gaagaagatg atcattcttc taaacca 517

<210> 14092
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D5
<400> 14092

ttgtgaattc attaattcct gcgaaatgga acctcgaatc aatgaccttc aggtggaatc 60
tcgggttcat gagttgctcg attttccggg tcatacaaac cagatatacct ctgcaatcta 120
cgagtgtccc aacgaccaca tcgaaaaccc taagaagaaa ccgtacaatt gtccacactc 180
aggagccaag tgtgatgtca caggagatat tcaaaggcta ctactgcac taaggaatga 240
tcacaatggt gaaatgagt atgggcgtag tttcagtcac agatatgttc atcatgatcc 300
taaacatctt catcatgcta cttggatggt aacacttctc gattgttgtg gtcgaaaatt 360
ctgcttgtag ttccaagcgt tcacctgagg aaaacaccaa tgtacatggn cttcatgc 418

<210> 14093
<211> 504
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D7
<400> 14093

ntggnggaaa atnccnaccgc tncgggtaccg gtatncnaat tcccggggnc gacccacgcg 60

tcnnattttca agttctttttt tttttaacct tgccatcaat acaaccatgg caaggatttc 120
tctgttggtc tcttttagcct tagttctagc catcggtgcc gtcttggtc acggcaccta 180
cccacaagaa attacaaaag accttggtgc catctacttt gtccaaagt caagctttcc 240
cttaccttga agtctctagc ttcgtcgaga agaaggttca gttcgcacca aaaaccattg 300
cgttcaagtc tttgttctcc atctgcaaga gctacatcga ctttcttggg ggcgttaagt 360
tttctgcctc cagagatgtg tttcacgtcg ttcattgtcaa attcactttg atgaccaagg 420
cgatgggttat tgcacaagca cacattggga gttgaaggag acctcgctgt taagttgggc 480
aaaagctaca ccgtgaatgg ctng 504

<210> 14094
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B1

<400> 14094

nnngngaatt cnnacagntn ctaccggtca ccaaattccc ggnccncca cgcgtccnaa 60
aggacaaaga gtttttggtg tcagtaactt caagctctaa gctatggctg tcaccaagat 120
ttatattgtg tgagtcttta aagtttaaac taatcagtgc caagttaaac aactggcgat 180
caatttccc atcaagagta atctgcgatt ttgtactact gactcacaca ggacgagatt 240
gaatcctcgt accagtttgg ttttgacgaa aaattgggtt cttggacttt tctgttaggt 300
actattcctt gcacggccac gtcgagacaa tggcacgaga ggtacttcgg ggagtaaact 360
ctgttccaga cgtggaagca acactttggc aagtccaag agacattacc ggagaaaaat 420
attggagaaa gtgaanggcg ttccaagacc ggacgattgc cgggatantc gaccagaaca 480
actgggcgga agccnaacgg 500

<210> 14095
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G7

<400> 14097

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nnnnnngnaac tgttttcgcct gnccttaccg ggcccaaaat tcccggggaa cnaccacgc 60
gtccgcgnac gcgtccgctc ctactgtgng agaagcatca tttgaggaa ggaangcaac 120
cctaagaatg nagcaagata tgcagagtga caattttaat atgtatgatc ttattgccta 180
tcgaataaag ttgcacctc atcctaaggc tggtgacaag tgggtgatct atccgagtta 240
tgattatgcc cactgcactg ttgattctct tgagaatata acgcattcgc tctgtactct 300
tgaatttgaa acccggcgtg cttcatacta ttggctgtta cattccctga gtctctacat 360
gccatatgtg tgggaatatt cacggttgaa tgtgacaaac actgtaatgt ccangcgtna 420
gttgaattac ntagtgacaa acacgtatgt tgatgggtgg gatgatccac gtcntttgac 480
actttctggt ttgagacggg angggtgtga cttcaactng 520
```

<210> 14098

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-H12

<400> 14098

```
gagaactgtc ctcatgtttt cccaaccctc tccgctattg gaaggacggg ttgggaaaca 60
atgaggagag aactgtcctt tctgtacagt cgtttctatg ggatccttct tggaggcatt 120
ttgataatgt accagttcca caactacatg cagccgatc tccttctcat gtactcattt 180
tggataccac aaatagtcgc caatgttgtc cgggattcaa gaaagcctct gcacccatat 240
tacatcttgg gcatgacagc tacacgggta gctataccgt tatatgtttt tggatgcca 300
cacaacttca tgcgtgtaga gcccaacaag gtttgggtga tatgcttggt cacattcatg 360
gggttgcaag ccgtcattct tcttcttcag cattatcttg gttcacgctg ctttgttccc 420
cgtcagatgc taccagagaa 440
```

<210> 14099

<211> 492

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-H2

<400> 14099

gntgngnaat tcnacttcent ccgncgggtca tggannacgg gncnancacg cgtccnagga 60
cncgtgggaa tcaaaattca tttttttttc ctctgatcat catcgaaccc tagtttcgtc 120
ttttgggtac gtttgatttc gcctctccac tttgtcaatt tcgagttttt gtggtttggg 180
tttttttccc gatttagcct aacagataaa gtttcgagtt ttgtttctct taatcatcgt 240
agatactaac cgaatcatca tggagaagaa ctcttcaag ctttctaate ctctggagat 300
gagaatggct gagtctactc gtatcagagc gaaataccct ggaagagttc ccgtgattgt 360
ggaaaaagct ggacagagtg atgttcctga cattgacaag aagaagtatc ttgtaccaag 420
ctgatttaaa ccattgggnc aatttgtgta cgttgtgagg aaaagaatca agcntggngc 480
tgaaaaaacc at 492

<210> 14100

<211> 482

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-H4

<400> 14100

tattnttccc gccggtcnnn gacaacgggc cgancncgcy tccancaaaa tgggtctatg 60
gggaaactac tctataccaa aagacaaccc ttttcgtgaa gacaaagagc ttgaacctga 120
aatatgggct gttggattga gaaacccttg gagatgcagc tttgattctt ctaggccttc 180
ttacttcatg tgtgctgatg ttggacagga cacatatgaa gaggtggatc tcataagcaa 240
aggaggaaac tatgggttggc gtgtttacga aggcccggat cttttccatc ctgagtcac 300
ccctggagga aacacatctg ttaaactact aaacccgata tttcctgtga tgggttacaa 360
ccactcagaa gttgactcaa gcggaaaatc agcttcaatc actggaaggt tacttttata 420
gatctgaaaa ctgacccctg cataactgga angtacgtan atgccgacn aaatggaaat 480
gg 482

<210> 14101

<211> 311

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-003-Q1-E1-H8

 <400> 14101

 tt nangtgtc tcaccatttg ggtcaaaatn tcnttaggac cattgctatg gatgggtactg 60
 agggctcttgt ccgtgggnagg aangttctca acactgggtgc tccaatcact gtacctgttg 120
 gnagagctac ccttgncctg atcatgaatg tgcttggaga acccattgac gacagaggcg 180
 atatcaagac cgagcattac ttacctantc acagatatgc tccngctttg gttgatctaa 240
 ccactgggca aaacatcctg tccactggta tnaaagttgt tgatcttcgt gtccttacc 300
 aangangacg a 311

<210> 14102
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-003-Q1-E1-H9

 <400> 14102

 ggcgcaactt actaatccc tcaattatct cttttctggt tctctcttat tatttgtatc 60
 gttccactgc ttatgttttc gtttttcgtt gggtgcagct tggtcaaact ccactgacga 120
 tcaacagatt caacaccatc accaccggaa atgggttggt ccctcaggcc acaaagtcac 180
 caccgtctca cttaacggcc acgtcagtt tcgctccgtc caagacgctg tggattccat 240
 accaaagaac aataacaaga gcatcacaat caagattgct cccggatttt acagagagaa 300
 agtgggtggt ccagctacaa aaccgtacat aacgttcaaa ggagctggta gggatgtgac 360
 cgctatagan tggcagacc gttgcgtccg accttggcgc taacgggtcaa cagtttacgt 420
 acctaataca accg 434

<210> 14103
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A11

<400> 14103

```

gggnngggng nngnanngtc tngcagnctt ttttnnggcc caaaaacgtg tccanacntc 60
ccgggtccac cnacgcgtcc gttaaattatt ttttctgac tgagaaaaaa aatggcgaat 120
ggagctaata gagtggatct cgacgggaaa ccgatacaac cgttgacaat atgcatgac 180
ggcgccggag gtttcatcgg ttcacatctc tgtgaaaagc tcttgaccga gacgccacat 240
aagggtgcttg cgctcgatgt ttacaacgat aagatcaaac acttgcttga gcctgatacc 300
gttgaatgga gtggtcggat ccagtttcat cgtatcaata ttaagcatga ttcgagactt 360
gaaggctcttg ttaagatggc ggatctgatt ataaatcttg ctgcgatctg tactccagct 420
gattacaata cagtcctctt tgatactatc tacagcaatt tcattgatgc gcttccaagt 480
tgtgnaatac tgttcttgag aacaacaagc gtctcaatca cttttctaac tg 532

```

<210> 14104

<211> 223

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A12

<400> 14104

```

aggattgggg cctttgggtg tgtcggaaat gcntgggact ccccttaact tcangggcag 60
tttcaagatc gtccgcggcc gttggatcat gcccatccac gttcaagact gttgctctct 120
tctctaagaa aangccagct cctgctaagt ccaangctgt ctccgagact ancgatgagc 180
tcnccnagtg ggtatggtcc tgacaggaga antttcntgc ctg 223

```

<210> 14105

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A2

<400> 14105

```

nntgnngaaa cttcctcccg nncgtaccgg tccatcaatc ccggggccca ccaagcctnc 60

```

gnaaaaggtt gcagccacta aatcagatcc gacaatgccg aagcaaattcc atgagatcaa 120
 ggacttcctt ttgacggcga gaaggaagga tgcaaggtct gtgaagatca agagaagcaa 180
 ggacattgtg aagttcaagg tcaggtgctc aaggtacctc tacacactat gtgtcttcga 240
 ccaagagaag gccgataagt tgaagcagtc tcttcctcca ggtttgagtg tgcaagacct 300
 ttgaagatct tatgaaatca ggatctatca tggttttata tacccttgct ttagatgatt 360
 ttgttttttc cctttctgct gtcttttgaa tgactatgat tcagacttcc gttgagtttc 420
 tttcttataa cttcaagact aaattatgaa ttggatttgt antttttttt gctatcaact 480
 tggttagtaa tatatanggc ccc 503

<210> 14106
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-A4
 <400> 14106

gtngngnaa ttencnecgc aacgtaccgg tccaccaatc ccggggggcca ccaacggcgt 60
 ccnaaaagtc tctctctctt tctctctcta tatcgctcct catgatccga ttttttatat 120
 aatttataaa aaatttatgt gataattaca gatacacgtt atttgtgtgt atattgatag 180
 agacaataac cattggaatc tgaccatgga tctcttttct tcttgagata tttttcattt 240
 ctttctcttg ttctcgtctc ccagatctgt tcgtcaatct taccattgga aagcttcaag 300
 cttccttttt ttctctatct ggggacggga ccgttgtata aaagagttag accagacgac 360
 ggcacaatgt atttcttcgg tttgtccaaa gaagaagtgt tgtcacagaa acatgttgta 420
 tcatataaag agacttctaa gcagaacca atcaatatgg tcactctgtt tggcanacag 480
 gtgtatcagg taaaagtgag ag 502

<210> 14107
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-A6

<400> 14109

gnnnnnnnggn aacgtntact nnnacggggg ncggtcacna attaacgggt cganccacgc 60

gtccgaattt ttaactccat atacatgatt ataaacgttc atatgttatt tgatatgaat 120

taaataaact aatTTTTgtt tatgatttac tatttttatt tttaatagat ttttgtatat 180

tgtgtatcta aaatatcata ttataatat tgtatgttgg aaatgcttaa accacctaaa 240

attgcatatg ttttgattag acgttatatg ttttaagtat tgtgtcagtg cttgcttcgt 300

gcctaacgct ttcttaaaca caaacaagtc aatattttat actacacaaa ctcattaata 360

gatattagtg ctaaacttaa taaagcatat ataactattc aagtccacaa aatcttttac 420

caaaataaac ttttaaaata taaacttttt tacatgtcta gcacgtatcc gaacatttcc 480

aaaagatac tccatcctt 499

<210> 14110

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-C5

<400> 14110

gaaatgaaat tcacagattc tccggtgatc gatctgacgg tgaacggcac aaaactctca 60

atccaacaag acaatggctc tatgcacgtc ggaacttccg tctggccttg ctactaatc 120

ctatccaaat tcgctgaacg ctggtcaaca ctagactcat catcatcaac aacatctcca 180

aatccatacg ccgaactctt cgatttccgt cgccgtcgag gaatcgagct aggaacagga 240

tgccggagtcg ccggtatggc tttttactta ctaggtctaa cggagatcgt actcacagac 300

atagcaccag tcatgcctgc gctaaaacac aatctgaaac ggaacaaaac ggcgttaggt 360

aaatctctaa aaacctcgat tgttttattgg aacaatcgag attaagtttc ggcgtttgaa 420

ancgg 425

<210> 14111

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-C7

<400> 14111

ggataacagc tggagagatg aacttccttc tgacaggact ggaaacttcg atacgatata 60
taatttcctt agagagaact ggaagattgt aagatgggta gctctaggag cagttgtttt 120
cgaggcttta ctcttcttgc ttgcccttat ggtcagggca gctaatacac cagcagagta 180
tgacagtgat gatgaatata ttgctccaag gcaacaaatc aggcagccat tcatcaaccg 240
ccaagccgcc cctgtcactg gtgtcccagt tgctcctact ttggaccaac gcccaagccg 300
cagtgaccct tggagtgcac gtatgaggga aaagtatggg cttgacacat ctgagttcac 360
atacaatccc tcaagagtca caccggttcc aagcaaatgc cagcgcaanc aaaacgaaga 420
aaagggccg 429

<210> 14112

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-002-Q1-E1-C8

<400> 14112

agacagcttt tgggagtcaa cggccgcgac gatggacca ttattacatc ttgtattagg 60
gatggagtta acagaatata cttgagtgga ggtgacgttc ggattttttg ttttggggtc 120
agacttgtga agcgcaggac tctacaacag gttctaaatt tgattccaga agagggtaaa 180
ggggagactt ttgaagatgc tcttgcacgt gtccgccgat gcattggagg tggaggtgga 240
gatgataatg ccgacagtga tagtgacatt gaagttgttg ctgatttctt cgggtgtcaat 300
cttcggtgtc ctatgagcgg ttctaggata aaagttgctg ggagattttt accctgtgtg 360
cacatgggct gttttgacct ttgatgtgtt tgtggagttt gaatcaacgt tccagaaagt 420
tggcaagtgc cctaa 435

<210> 14113

<211> 72

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-C9

<400> 14113

atcanagcgn tatttttcgcc ggcaagcagc tagaggatgg ccgtacgttg gctggttana 60
agtatccatc aa 72

<210> 14114

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-D1

<400> 14114

atcaatgggtt atatagatta ctgttttttc ttcttctcca tttctcaaaa cattattttc 60
ctacagagaa tcaagaaccc gaactacaag ggaaaatgga agaaccatg gatagataat 120
ccagaatttg aagatgatcc agatctttac gttctgaagt ctatcaaata tgcaggcatt 180
gaagtatggc aggtaagttc tagagctttc ttgaattcca tcaaataatta acttttataa 240
tactacatc atcaccagat atggatgaat atttatataa tattcactgc caattagttc 300
ttttaacata tatatgctgc ttgtacatat angtcacca aatttttagg gttgaaaaca 360
aaaccaanag aaacagaaaa gatctgataa aaagtcctca ttttttagacg aagggattaa 420
acttatecta g 431

<210> 14115

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-D11

<400> 14115

angtttttcc gntccgnacg gtacantcca anaattcccg ggtcnaccca cgntccgnc 60
tgagtacaga gagaactaag ttcagatcca tggaacctgc aacttcttca ccattgccac 120
gagacacgtc ggagcaggat cccgcgctgg cgcagagtga agatcagtct caaggaagac 180
ttaggggttc tgcttatgac cttatggtag tagacagtga tttagaggga ttagatcaaa 240
gaaaggaaga gatgcgtaac atttttgatg atattcagga taaagcttca ttaattcttc 300

agttctcact taagtgggaa gaaatcgacg acangtttgg tttctaaagc aacgagccat 360
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 caactgaggn ttt 433

<210> 14116
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-002-Q1-E1-D3
 <400> 14116

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 cgtagcttat ggcgcacacag tgaaggtggg tttgacgttg ttggagatga atctgttgcc 180
 ggatattgtc attaggcggc tcacacgtct gcttctggcc ggtcgtctcc gttccggtta 240
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 gatgcctata gctatccata ccgagaagcc aaagactcaa cactatgaat taccgacagc 360
 tttcttcgaa cttgtccttg ggaagaaaca tgaagtacag ctcttggttac ttctcaaagc 420
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 taaaagtgga agatgg 496

<210> 14117
 <211> 228
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-D8
 <400> 14117

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 tcttatctaa tctgccgtac agtaccantg aagtaccgtn cattacatgt gttctcaa 180
 aantcttttg gatttgtgtg tttccggttt aaatgtaatg tnaaatca 228

<210> 14118
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-D9

<400> 14118

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 ttggataaaa tggcgtcaac tttcactgcc acatcttcta ttggttcaat ggttgctccg 180
 aatggtcaca aatctgataa gnaacttatc agcaagttgt cntcaagctc attttggaag 240
 gggacaaagt gtgtgtccta gaccagaag attcagttct gcaattgtgt ncgagcaaaa 300
 gggattncat ttcaacaaag atgggactnc cattngggga cttcangctg gggtaaaaaa 360
 gctccncagn ttttggttgnn gttacac 387

<210> 14119
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-E1

<400> 14119

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 cgaattttct g 71

<210> 14120
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-E10

<400> 14120

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67

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ggngngnaat	tcnagtnnnc	gggcccgggtca	cnnatnacgg	gtcnagccccg	cgtcenatag	60
gnagtctctt	caatgtcaca	aataatcgaa	tcacacaata	ttaaactacta	aattattcac	120
agttttcttg	gagaaaagat	tcaagtacaa	gtacaagcag	agaaagtgag	agagagagaa	180
atgatgggta	gcttgaaaat	aatatctcca	ccacctccgg	cgacaagatt	ccggcaacga	240
gtaacggcga	acggagatgg	gtttccgaca	tttcttccga	aggagataca	aaacataaaa	300
gatccattcg	caagagcttt	agctcaaagg	attgtacgaa	ttcctgttcc	tcttcagatg	360
ggaaacttta	gaggcagtgt	aatgagtanc	tgtatcaaac	cactgttcaa	ttacacgaca	420
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<211>      175
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-002-Q1-E1-E9

<400>      14123
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 gcaaagtaga agttgaaaag gagtccagcc ttcntcagta tcagcaatgt ctgcaanaca 480
 tanctgattt gga 493

<210> 14128
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-F9
 <400> 14128

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 ggaaggagga atagatcctg atattcatgc atttagtata cttgccaaag ggtatgctcg 180
 agctggggag cccgaaaaag cggagcaaat cttgaatcag atgagaaaat ttgggtgttcg 240
 cccaaatgta gtgatctaca cacagatcat aagcggttgg tgcagtgtcg gtgaaatgaa 300
 gaaagcgatg caggatatata agaaaatgtg tggaatcggt gggtttatcgc ctaacttgac 360
 tacttacnag actcttatat ggggatttgg ggaagcgaan canccatgga aagcagaaga 420
 gcttctgaaa gacatggaag ggaagaatgt tgttcccaca aggaaaacta tgcaactcat 480
 anctgatgga tggaatcca 499

<210> 14129
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14129

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 tgtcttcttc tctctttaat tttttataaa ttttaattttg gggttgaaaaa aacgaggaag 180

atcaagattc gagcttttta acccgacctg atgttaccgg tgctgtgact actgtcacia 120
ctatgcaagc gatcaacgac aagattctgt cgttgaaata tgaagactac acggctgaga 180
tagaaaactgc tgatgctcag gagtctcatg agagaggtgt tattgtgctg gttacaggac 240
gcttaaccgg gaacgataat gtttaggaaga agtttagtca atcttttttc ttggctccac 300
aagacaaaagg atactttgtc ttaaacgacg tgtttcgatt ccttgaggag aaagaggtga 360
ctgcacaagc ccgctctgtc cccatcaatg gaaccactan ggatgttcan gtcctattg 420
aaccanaa 428

<210> 14132
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 14132

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ttaataaaga gatcaacaaa aagtctgaga ggaaacatga tcttgtcatc gcttcctatg 120
tgttagggga gataccatct ctgaaagaca ggattactgt ggttcgccag ctctgggacc 180
ttacagatga tctcttgggtt ttgggtgaac caggaacgcc acacggtgct aatattatat 240
ctcagatgcg gtcccatata ctgtggatgg agaagaggaa actgcgtaaa ctgggaaaag 300
aaaatgaaga aagatggaaa ggaggtgctc gatctcaaat ctgggtgctc atattgttgc 360
tccatgccct catgatggaa agtgtccgc tggaacacac tgggaaagta ctgtcanttt 420
gttcagcggg tgcaaa 436

<210> 14133
<211> 410
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 14133

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 gtggctagaa ccattttcaaa ccaaccacca ttgaagtttt ctctgcctag tgacaacacg 180
 cagtcgtggc tgctcacaac ttatctcgac aaggaccttc ggatctcgag aggcgatggt 240
 ggaagcgtct atgtgctcat caaagaagga agctctctct taaaccctta aatcatcata 300
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<210> 14134
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14134

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 tctccgaaga aatccaaagc aacgtcatcg ttttagctga ttaccttggt atctccgagg 180
 aacattctat cttccctact gtctccgta aggttacagc accttatggc accgtgttac 240
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 tacttggcgt gtttttgagg ccgatgctaa aaatcatggg aacaaaagat tttaacatca 360
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 gaaaagattc ganggtggta g 441

<210> 14135
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-B5
 <400> 14135

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tacgaggctct tggatcgatc atgataccttt tggttcttgg tgttgtcggg gttacttatt 180
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tctcaagtgg tttttactga tcctgggtgt tgtgcctcct aattggagac catctactga 360
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a 421

<210> 14136
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-002-Q1-E1-B6
<400> 14136

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gggtcatttc tgtttctgca caacaaactt gtgacaacac tgctggtagt ttcaaaccga 120
atagtactta tgacaacaac cgctgtctcc tcctctctac cttcgctctt aacgtcacgg 180
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gagggtttac tacagattct gtctaaacca agacggacgg tttctcatgg tcctgggtga 360
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tgggagcccg tctaatgaa 439

<210> 14137
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 14137

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aacaaggctc caaaggcgat caaggagata aggaagtttg ctganaanga aatggggaca 180
aaggatgtga nagtggatgt taaattgaac aagcagattt ggagcancgg tntcagaggt 240
cctccgatga gaatcacaat cngagttgct cgtaagagaa ctgatgntta agatgcaaan 300
ggaagattcc tcctcncctt gtcactgttg cctgaaatcc cctgcctaaa ggactcctcc 360
tgggcctccg gnactaaaga ttcattgaac aaataaggat ttaaaactatc cttattagtt 420
ancaaacaac catttggtta 439

<210> 14138
<211> 500
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-002-Q1-E1-C1
<400> 14138

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gtggcgatca agaagctgac gagacatgca aaggaagtag aagaacgagt cagtgatttc 180
ttatcggagc ttgggataat cgcacatggt aaccatccaa acgcagctag gcttcgtggt 240
ttcagttgtg atcgcggttt gcattttgtg cttgagtact cttctcatgg cagtcttgct 300
tctctactct ttggatcaga ggagtgtttg gattgggaag aaacggtata aagtggctat 360
gggtatagct gatggtttga gttatcttca taacgattgc cctcgacgga ttattcaccg 420
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tggactaact aagttggctc 500

<210> 14139
<211> 420
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-002-Q1-E1-C10
<400> 14139

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 tgttggcatt cttgagacag aggacatcaa agatctcaaa cctttgaatg accgagtctt 180
 tattaagggt gctgaggcgg aggagaaaac agctggaggg ttgttggttaa ccgagactac 240
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 atctgatact ttcttagtag cttgatgtga tagtcagttc atacacaagt tccaattata 360
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<210> 14140
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-C11

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 aggaagatga agctgaagaa aaaaagaaca gaaagagtgg agaaagcaaa gaancanacan 300
 ggggattgga cgttctctgg ttcttaaagc cttgcacttt agccaactag annaccttca 360
 ccaaattctt tctatattga ttcattcttt tgtaatttc attttattca actgtaacta 420
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 tacacataca ag 492

<210> 14141
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 ggtgagatca aagaggaaaa atggcgcata gggtagaaca ggattatgat tatttggttca 180
 agatcgtggtt gattgggtgat tctgggtgtcg ggaaaacaaa catcttgtct agattcacia 240
 ggaatgagtt ttgtttggaa tctaagtcca ctattgggtg tgaattcgcc accagaactc 300
 ttcaggttga aggaaagact gttaangccc agatatggga cactgcatgt caagagcgg 360
 acagagctat cacaagtgtt tattacagan gagcggtagg tgcacttctt gtctatgaca 420
 tcactaaaag acaaaccttt gacaatgttc tgagggtgga cttgaactan gagacatgcy 480
 gattcaacat t 491

<210> 14142
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-C2

<400> 14142

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 aatctgaatc agtcgagtca gtgaatcatc ttcacagacc tagttttcac tttcaacctc 240
 caaagcattg gattaacgat ccaaattggtc cagtatacta caaaggtctc taccatctct 300
 tctaccaata taacaccaaaa ggtgcggttt ggggtaatat tatatgggcc cattcggttt 360
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 cgacatccgg agg 433

<210> 14143
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-G1

<400> 14143

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 caacttgaag catggaaatg ctcaaatcc tacatgggag gggggagaca gtattcttgc 180
 agattctggt actgagcagc ttgaatttat tgccctttcc cagaggacag gggacccaaa 240
 atatcagcaa aaggtagaaa aggttatttc aagtgcctnn aaaangtaag gancntccct 300
 gctgatngtt tacttccgat atatataaat cccgatncag ctaatccatc gccagtccaa 360
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<210> 14144
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-G10

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 cgtgcaatca tttttggttg cgatcgcttt cgggtcgaaa gaagttgaag aattcagcga 240
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<210> 14145
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
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<400> 14145

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ctttttgttt tctcatcggt actacttatt tgatttaaaa ggtcttttgt gtgttctggt 180

ggtactattc tgttcaaact tattacaatg gatctatata aagttcggtt caggaagctc 240

ttagataatc atgttatcat ctttttttgt tctagcttcc cntaaaaang ttgcaggtcc 300

ctatgctaag ttatgaataa tgtagtttca nttaacctaa agccacagtc ttaaaaagtg 360

tcaagtacca aattattgaa cataatgnga ttccaggcaa taccngatg ttttgtgaan 420

antangggta aggctaatan caaacngtt cctgtnnang 460

<210> 14146

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G3

<400> 14146

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nacagctaca agaccagcta ccaacgccga gctcatggca agtgccaang ttgtagctga 180

agctgctcaa gccgcagctc gtaacgaatc agacaaactc gacaagggtg aagtcgccgg 240

agcctctgct gatattcttag acgctgccga gaaatacggg aagttccggg aaantganaa 300

gagtancact ggtcagtacc tcgacaaggc tgagaagtat ctcaacgact acgagtcgctc 360

acactccacc ggtgctggtg gtcctcctcc tccgngagt caggctgaac cancangtca 420

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<210> 14147

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G4

<400> 14147

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caaaccgaag cggaacgggtc tccgtcacga tcggaaaact gtttctaccg tcacctccga 180

cgtcggatct gttaataatta ccggagatac tgtcgctgat gtcattgttg ttggagctgg 240

tgttgctggt tctgctcttg cttatactct tggaaagggg aanttaaacg ccgagttcat 300

gtgattgaaa gagatttatc ggagcctgat cgtattgttg gggagttggt acagcctggg 360

ggttacctca agttactggg agttgggaat tggagattgt gtgggaanaa atagatgctc 420

ngggtgtgta tggttatgca cttttaaaan tggga 455

<210> 14148

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G8

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agatcaatgg atatgactcc aaaatcacca gaaccggaat ccgaaactcc gaccgggatc 120

caaccagcta aaccaatctc tttcagtaac ggaatcatca aacgccacca ccaccaccac 180

cacaacaaca acaaagtcac ttacaaagaa tgtctcaaga accacgcggc ggcgattggt 240

ggtcacgcgc ttgacggttg cggcgaatnt tttnaattgc cgtctccttc gtcaacacct 300

tccgatccaa cttctctcaa gtgtgcagct tgtggttgtc accgtaactt ccaccgccgt 360

gaaactgacg attccngcgg cgcgttnac caccgtggnc ttcttccatc ttcanngggc 420

aaccggcgca attgagtatc aaccncaggc a 451

<210> 14149

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G9

<400> 14149

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ttacggctgg gtgtaaatc tctatcttta tcagttaaat tcattttcca atttaattga 180
gacaaaatga ttctgtgttg gcttaacagg gtcgacgaat ggaaggacc atcggaggaa 240
gctctcgccg gcggcagagg aatgttttgt gtagttccct tgacnaaaac tctgtttcag 300
acagcttcac aatcaatgaa ctacagctgc aaattttctgg atatgaagtt tcagaaattg 360
gcaaataccta tgcacaatcc aagtggagat ttagggtaa aatcaaatgt gttggattaa 420
caagtacatg tgtttagtgt tggattatac gtctaaatct catctatgta ctttgttcaa 480
agtttttgct tgtgttca 498

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<210> 14150
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-H2

<400> 14150

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gccgccgtcg tcaccgccgc cgaatccgat actccgacgg cttattcact cctccaaagc 180
tacaacttcc ccgtcggaat ccttccaaaa ggagtcgtag cttatgattt agacacaaca 240
acaggcaaat tccatgcgta tttcaacgat tcatgtagct tccaaaaaaa tcttgttggg 300
tcttaccaat tgaattacaa atcaacaatc agtgggttaca tctccgagaa caagctcaag 360
aaattgactg gtgttaaagt caaagttttg ttcttgtggc ttaacatngt cgaggttatt 420
agaangggtg acganatgga gttttcccg tgggattaac at 462

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<210> 14151
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-H6

<400> 14151

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 tgggcactct ctgcaacatc tgaagcagta acagaggctg agccagggtt gatgatgaac 120
 ttctacaagg acacgtgtcc tcaggccgaa gacatcgctc gtgaacaagt caaactcctc 180
 taaaaacgcc acaagaacac cgctttctct tggctccgta acatcttcca tgactgcgcc 240
 ggnntttttga gtcattgtgat gcgtcgcttt tgctggattc gacaagaaga gagctaggag 300
 aagaaagaac acgacaggag cttcggactt anaaacttta ggtacatcga gganatnaag 360
 gaagcncctcg anaaggaatt gtcnggggtgt tgtctcatgt tctgacattc cttgncttgt 420

<210> 14152

<211> 125

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-H8

<400> 14152

ggttatnana tgccctgcana tattcttgct aaatggattg catcataagt ctcagggtta 60
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 agaga 125

<210> 14153

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-A10

<400> 14153

gnnnngnaag ttnttctgcn cgntcggtac canacannaa ttcgcgggtc naccacgcg 60
 nccgnngggt tcttattatt gaagtacatc aaagagttgc agatagagag aaacattcgg 120
 taacaaacat ctgaactggt gttatgaaac gaggattctc cgattctcct tcaagctctg 180
 ctctctctcc ttcttccaga ttcaaactta atcccgaagg tgattctcag tttctggaag 240

atgagactac aaagaatttt gcccggaag ttgctgatca ttacagtagg agaacaaacc 300
 aaacattgga agagcgagaa gctagtccca tcattcattt gaagaaactt aacaattgga 360
 ttaaaagtgt ttgatccag ctttatgctc gtcctgacga tgctgttctc gaccttgctt 420
 gtgggaaggg tgggtgattt gatcaagtgg gataaggcga naatcgggta ctatgttggg 480
 aattgatatt gctgaangg 499

<210> 14154
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A12
 <400> 14154

ggggnnntgna gttctttctg cncggtcggt accanacana aattcgcnng tcnacccacg 60
 cgtccggnca ggagcaggga agcatatcca agccggagcc tcgaaagtta tcatcactgc 120
 accagccaaa ggtgctgata tccctaccta tgttatggga gtcaatgagc aagactatgg 180
 tcacgatgtc gctaacatta ttagcaatgc atcttgacc accaactgtt tggcaccttt 240
 tgctaaagtc ttggatgaag aatttggaat tgtcaagggg acaatgacaa ccacacactc 300
 ctacaccgga gaccaaaggc ttctaagatg catcacacag ggacctaagg cgtgcaagag 360
 ccgcagcact gaacatagtg cctaccagca caggagcagc caaggcgggtg tcattagtgt 420
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 cagtgggtga cttgttata 499

<210> 14155
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A4
 <400> 14155

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aaatctctcc tcccgttgcc tgtggactgc ctgaatcaaa agacaatggc aacatgttct 180
 tcaagcttat tgggtgttacc aaatttgaga ttgagttcta accaaagacg caatttcaag 240
 gtaagagctc aaatctctgg tgaaaacaag aaggcgacat cattggaacc agtgaacaac 300
 aacggttcgg tctctttgtc tactactgtt caaaacaaaa aaggggcaaa tgaagtgaat 360
 gggaaaggga aatccaagag aaagatagtg agtgatgaaa ttgagttgtt atgggatgat 420
 ggggtatggc tccaaatctg tttaaagata ctttgcctgc cggctaaaga gattttgaag 480
 gctgatggtg gtcctccac 499

<210> 14156
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A6
 <400> 14156

gctttgtcac atgaaattcg gactattctt cttcttcgcc ttctttgttg tcataatgac 60
 aatattcatc tacttgatgt tgccctgagac aaagaatgtg ccaatcgaag agatgaacag 120
 agtgtggaag gcacattggt tctggggaaa gtttattcct gatgaagctg tcaatatggg 180
 tgctgctgag atgcaacaga agtccgtatg atgatgatca agaataagt tttctttggg 240
 caataaagat ttatgagaaa agagaaagtg aataattctt gggatgaaat aaagaataat 300
 ttgtcaaaaa atgccttact tcctaaaaag aaanctggct ccgtccttaa ncttcaagag 360
 aacttaagct tcaattgggt tccttccttt ctccntttt ttaatggttc cntgtgtg 418

<210> 14157
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-F9
 <400> 14157

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 ttagacagcc cgtctgggca ggtttgcctt aacattaatg caatcaaact acccgtgaat 120

gctcctaggg ctgtaactgg atatgctgga gccggtanaa gaagggtcac attggatcag 180
caaggcccaa caattgtaca tcaaaagcca gggcctctgc agacgatatt tgatctcctc 240
ccggatgagg ttgtcgagca cagttattca tgtgccctgg agaggtcatt cctgtatcat 300
ggccgaatgt atgtttccgc gtggcacata tgtttccact ccaatgtttt ctctaagcaa 360
atgaaggttg ttgtccctct cggagatata gatgagattc gtagaaatca acacgcgttg 420
ataaaccag ctatag 436

<210> 14158
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-A7
<400> 14158

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gaagttccga ggtgtccgcc agcgtcagtg gggttcttgg gtttctgaga ttcgatcatcc 120
tctcttgaag agaagagtgt ggctaggaac attcgacacg gcggaaacag cggctagagc 180
ctacgaccaa gccgcggttc taatgaacgg ccagagcgcg aagactaact tccccgtcat 240
caaatcgaac gggtcaaatt ccttggagat taactctgcg ttaaggtctc ccaaatcatt 300
atcggggaact attgaacgct aantaaggaa gaactgtaa gaccagacac cgtatctgac 360
gtgtctccgc ctnacaacg acagctcaca acatcggcgt ctggcagaaa cncgccgggt 420
caaaaa 426

<210> 14159
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E3
<400> 14159

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tattagcaat ggtggccggg atgctgcac tctaaaaact acaaattttg gttcgtccgc 120

gctggatttg gttaaaaaga aactacatga ttctggaatg cctgtctcat ctacgataac 180
atctgaagca aatagtggta aaacaactga ggtcacaccc agtggagaaa gtggaaatag 240
tacgggtaag gtgaaagatg ctcttgagc tggggccctt tccgattctt cttcagattc 300
ggaagatgaa gatagtggac catcgaagga agagtgttct aaacagttta aggaaatgct 360
gaaagagaga ggaatagcac cgttttctaa atgggagaag gaattgccaa aaattatctt 420
tgacccccgc cttaaagnaa tancaagtca atcccgtgna aaa 463

<210> 14160
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A11

<400> 14160
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acagtaagaa naaagaagaa ggctgttcac aagaccacta caaccgatga cangaggctc 120
cagagcactc ttaanagagt tggagtcaat tccattcccg ccattgaaga agttaacatt 180
tttaaggatg atgtagtcat tcagttcatt aaccctaaag ttcaagcttc aattgctgct 240
aacacatggg ttgtgagtgg tacaccacag acgaaaaaat tgcaagacat tcttcctcag 300
attatcagcc aacttgagacc agataacttg gacaacctga agaagctagc anagcaattc 360
cagaaacaag ctccaggtgc aggtgatgac caacaacaat ccaagaagag gacatatgat 420
gaagtccaaa tntttagtg ggaga 445

<210> 14161
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A4

<400> 14161
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cgcaatgatt accggagaat catcgtcaca aagatctatc ccaacgccgt ttctcacang 120

gaacgttttaa cctcgttgaa gatagttcca tcgacgatgt tatctcatgg aacgaagatg 180
gttcctcttt catcgatgg aatccgacag atttcgctaa agatttgctt cctaaacact 240
tcaaacacaa caatttctct agtttcgttc gtcagctcaa cacttacgga ttcaaaaaag 300
ttgtaccgga tcgatgggag ttttcaaacg atttctttaa gagaggagaa aaacgtcctc 360
tccgtgagat tcaacgtcgg aaaataacaa cgacgcatca aacaattgtt gccctcgtc 420
gggacaacga aaccaagacg aagggtt 447

<210> 14162
<211> 855
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A4
<400> 14162

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catcatcgtc acatagatcc tcctttttcg ttaattgggg agagatatac tttcttttga 120
ggatcagatc gtgacagggg ttagctcaag gagagggtga gaaaaagaag aagaagggtga 180
gaaaagtga ggcaaggctt tgaggatgtc ttttacagga actcaacaga aatgcaaggc 240
ttgtgagaag actgtttatg ctgttgagct tctctctgct gatggagttg gatatcacia 300
gtcttgcttc aaatgcactc actgcaaaag caggcttcag ctgagtagtt actcatcaat 360
ggaagggtgt ttttactgta agcctcattt tgagcagctc ttttaaggaga gtggtagttt 420
caacaagaac tttcagtcac ctgcaaaatc ggctgacaaa tcaactcctg agctgacaaa 480
ggacgcctaa ccgagttgct gggcaagggt ccctggtaca caaagagaaa atgccccaac 540
tttgtagta aaaactggtg ttancctaata tgaaaanggt aacaantcna agaaccacga 600
catttcacia gtcccngctt caaattgctc aaaatggaag gnttgcccaa atttcacant 660
tccaaantaa cgcaagctcc ntnaaaggga atcccgggtta cngcaaagca ancaattttc 720
gcncaaacc cttcaanggg naaangggaa attttnaacc cacnttaanc caaatcccg 780
tttcaaanaa aaancctttt gaaanccgna aaaaaattnc ccccccggt nttcaaaaa 840
aaccccccggn ttccc 855

6882

<210> 14163
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-H10

 <400> 14163

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 ggtgcatctc cggcggttct tgaaggaagc ttaaagatca atggctccag ccgtctgaat 120
 ggctctggaa gagtggcggt ggctcaaagg tctagacttg tcgtcagagc tcagcagagt 180
 gaggagactt ctgcgcggtc cgtgattggg cttgttgctg ctggtttagc tgggtggctcg 240
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 ccggtgggct tcttgggaca agataactca gaacaatnca agaaaacttt gcatttggca 360
 ttggaaanga canggtttta cttacaagcc atttgccaac caancaanaa agcctgcaag 420
 cctaataagc ccaa 434

<210> 14164
 <211> 206
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-033-Q1-E1-B8

 <400> 14164

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 caaagcaatt gttctctctc tctagtagag ctttttgttt ctttttcaaa tcttttttga 120
 agtcctttgc ttaagattct tgtaatggcg ttaaaaaact tgaagaaagg aatattatta 180
 ttgttaaaaa aaaaaaaaaa agggcg 206

<210> 14165
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-H1

 <400> 14165

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 tcttgagca gcggaaacaa cagcttcgtg gtttggaaac tgcctgagtt cgccaaacag 180
 tttctaccaa agtattttcaa gcacaacaat ttctccagct tcgtcagaca gctcaatact 240
 tatggtttta gaaaagttga tccagaccgc tgggagtttg caaacgaggg ctttttaaga 300
 ggccaaaagc anatactaaa gagtattgtc cggcganaac ctgcacaagt gcaacctcca 360
 aaacaanctc aagntcaagc aactcaacct gtgggttgcg ttgcgttga ngtgggcaaa 420
 nttggactcc aaanaaggaa ntggaaaaga gcttcagcgc gnataa 466

<210> 14166
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-A10
 <400> 14166

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 tcccagaccc gccgcgcgc ccaccaccac cgcacccaaa gccgtatgct ctacgatata 120
 tggcggatct tcttgcccg attggtataa tggatacaga caaagatggt aacatcagcc 180
 cacagagtcc gaggagtcct aggagcccaa gaaacaacat tctcatgggg aagtacgagc 240
 ttgggaagct tctcgccac ggaacctttg caaaggttta tttagctcaa aacatcaa 300
 ctggagataa agtcgccatt aaagtcacg acaaggagaa gattatgaag agtggtttgg 360
 ttgtcacat caaacgggaa atctctatcc tccgccgtgt ccgtcancct tacatcgttc 420
 atctantcna gggtanngg 439

<210> 14167
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-A9
 <400> 14167

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-B11

<400> 14169

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catatatgtt tattgtagca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggcgg 180

ccgccnanaa ggntcnaanc ttacttacnc gt 212

<210> 14170
 <211> 280
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-C11

<400> 14170

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tgcgaggagg tggtatatct cgggccaaac ctaccaacac cggaggagga tccanctcgc 120

cggtaaagtgt cggtagctct antataagta ntagtactgt tgctacggga gagactccta 180

tatggaaaan agcgatttta ggttcggatt canangaagt gaacagagta gggaatgaan 240

tgtatacgaa aggtttgttt aatgangctt tgaanttgt 280

<210> 14171
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-D11

<400> 14171

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cgtgagatgc cgtgtaaaca ccttttccac gacgattgca tcgtaccgtg gctatcgatt 120

cgaaactctt gtcccgtgtg cagattcgag ctaccttcag agcctaatacg acgngcaac 180

aacaacgagg aggataacgc cgtggggatg acgatttgga gacttcccgg tgggtgattc 240

gccgtaggga ggtttaacgc agcaatgaga gacggagaga gagttttgcc agtgggtgta 300

acagaaatgg atggtggtgg gattggtaat agccaggatg gtcctagacg gatctcatgg 360
gttangtcac acggtacact cgaatcggat agtaacggta ctggctcaag ttccgntcc 420
cgngngaaaa tt 432

<210> 14172
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H10

<400> 14172

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cactcctctc ttcttggccc acgtgttcat caatctctcc ctccgcatgt aatcgcttcg 120
ccgtcaatat cacatcttctc ttcttcttta tctttaaaat ctcttttagat cgattctttt 180
gtggattctt gaaatctccg gagaaaacca ctatggagac ggcgactgaa gtggccacgg 240
tggtgtcaac tccggcggtt acggttgccg cggtggcgac gaggaagaga gataagccgt 300
ataaagggat aaggatgagg aagtggggga agtgggtggc ggagataaga gaggctaata 360
aaagggtcaag gatttggctt ggctcttact ctactcctga agcggcgccg cgtgcttacg 420
acacggcggt gttttatctc ccanggtc 448

<210> 14173
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B10

<400> 14173

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actaccggct ttctctattc cggcgccgga nactactccc agatgtttga cgcantagaa 120
gacnacggaa gtctagagga cctcggcggc gttggacacg cgtcttctan ggcggcggag 180
aaaaaacggc ggttgggtgt agagcaagtg aaagcgtagt agaagaatct cgagattgat 240
aacaagttag agccagagag gaaagtgaag ctggctcaag agcttggggt gcagccacgc 300

atacggaatc gctaaggaga cagatattat ctccaaagta caattcgaac gctgcntctg 420
tgtatcctga ccgggtnca 439

<210> 14176
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-G10

<400> 14176

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acacaacccat gactgtttct tcctctccat gggctctcat ggctctcttt ctaatgggtt 120
cttcaacaat ggtaatggct attcctccac gcaaggccat tgatgtacca tttggctcgt 180
actacgtccc aacttgggct tttgaccacc agaaacagtt caatggcggg tccgaacttc 240
agcttatact cgacaaatac actggcacag gatttcaatc aaaggggtca tatttggttg 300
gacattttag tatgcacata aagcttccag ctgggtgacac agccggaggt gtcacagctt 360
tctatctatc atctanacac aatgagcatg acgagataga cttgagttcc ttggaaacag 420
aacaggacaa ccagctatat tacaagacaa atgtattcac aagaaggaaa nggaaac 477

<210> 14177
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-C1

<400> 14177

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taaacttcca gagcttgggtg aaggagcagc aaccctagtt ttcaatccct aaagatatta 180
gttctccagc gagttgacac aaaacccgat tacgtttcat ccggcgactc gctttgatat 240
tccatggatt ctgagttgaa tcttccaag agacgcaaga taagtgtcag gcacagatgc 300
gttgcggtgct ataagatggt caatagacga gaacacctcg ttgagcacat gaagatttcc 360

taccactcac ttcagcagcc tcgctgtggg gtttgccctca agcactgtaa atccctccga 420
atccgtgagg gaacacttaa cgttcagacc 450

<210> 14178
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E1

<400> 14178

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ggagctccgg gaaacatggc ggcgacgaga caattacgaa ctctccaatc tcagcctgaa 120
aacaaggtat gtgtcgattg cgctcagaag aatcctcaat gggcgctcggg ttcgtacgga 180
atcttcatgt gtttggaaatg ctccgggaaa caccgaggct taggcgttca catatccttc 240
gtcagatccg taaccatgga ttcattggtct gcgatccaga ttaagaaaat ggaagctggt 300
ggtaacgaac ggctcaacia attcttcgag caatacggaa tcgctaagga gacagatatt 360
atctccaagt acaattcgaa cgctgcttct gtgtatcgtg accggattca agctttanct 420
gaangtagac catggaatga ttcgccagtt gttaaggaag cga 463

<210> 14179
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-D1

<400> 14179

aactggtttg ccttgcctag gctccggaaa tcccngtgcg acccacgcgt ccggaagagc 60
tggatgctgc cagtttgcgt gaacacgagg agttcacgaa agtgaagaac atagctacga 120
ttgagcttgg gaagtatgag attgagacgt ggtacttctc tccttttctc ccagaatata 180
atgactgcgt gaagctcttt ttctgtgagt tttgcctcag ttttatgaag cgcaaagagc 240
agcttcaaag acatatgagg aaatgcgatt tgaagcacc ccttggggat gaaatctatc 300
gaagctctac tttgtcaatg tttgaggtgg atggcaagaa gaataaggtc tatgcacaga 360

acctctgtta tctggcaaaa gttatttctt gaccacaaaa ctctttacta agacgttgat 420
 tgttcctggt tccataatcc nctgtgaatg gtgatgatng ttggatgccca catngtttgg 480
 atacntttca aaaggganaa acactca 507

<210> 14180
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-041-Q1-E1-C8
 <400> 14180

ggagacagta gtaagaaaga agaagaaga aaatggaaga tacgaagaag aaaaagaaga 60
 agaatattaa caacaaccaa gattccaaga aaaaagagcg tcatattgtt acttggtcac 120
 aagaggaaga tggtatacta agagaacaaa taactctaca tggaaactgaa aattgggcga 180
 tcattgcac aaagttcaaa gacaaaagca caagacaatg cagaagaaga tgggtatacat 240
 acttaaaactc tgatttcaaa agaggagggtt ggtcccctga agaagatatg cttttgtgtg 300
 aggacaaaag agtatttggg aatagatgga ctgagatagc aaagggtggt tcaggcagaa 360
 ctgataatgc tgtgaagaac aggtttacaa cactttgtaa gaagagagcc aagcatgaag 420
 ctatgactaa agacagcaac tcaaacacca 450

<210> 14181
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-B10
 <400> 14181

ctgaatcaag agattaaaca aaaattgaac ggacttgctt tgacacagca gaccgtaaata 60
 cgggatgggt gctcctaagc agaaatggac tcaagaagaa gagtcagctt taaagtctgg 120
 agttataaag catggacctg gtaaattggc cacaattctc aaagatcctg aatttagcgg 180
 agtcttgtag ctgcgttcca atgttgatct taaggacaaa tggagaaaca tgagtgtcat 240
 ggcaaatggc tggggatcgc gcgaaaagtc taggttagct gttaaaagga cgttctccct 300
 tcctaaacag gaagagaact cactagccct aaccaattct ttgcaaagtg atgaagaaaa 360

tgtggatgcg acctctggac tccaagtttc ttctaactct cctccaagga gacctaattgt 420
aaggttggta gccttatatg gaagcaat 448

<210> 14182
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-D11

<400> 14182

ttaccggggcc aaaattcccc ggancaccca cgcgctccgct catcacaacc cttcaaaaag 60
agaaaagatc taaagaataa acaagagccc taatatcaaa tcacaaccaa aaaacccaaa 120
gaaagctaatt taaagttttc tctctagcta ttctcttctt tttcttggtc ttgaaaacta 180
gggtttactt caccaaaaga taagatcttt cccagaaaa agcaataccc aagtcattgtt 240
tctgtgtgtc tgtatataga taaaacatta cataccctaa taaggttaca caaatagcta 300
taaaagaggg aaaataagat agggattttt tggggtgagg aaagatggga agaggaagag 360
tagagctcaa gaggatagag aacaaaatca acagacaagt gacgtttgct aaacgtagaa 420
atggtttgct gaaaaaagct tatgagcttt ctgttctctg cgatgctgaa gtctctctca 480
tcgtcctctc caaac 495

<210> 14183
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C11

<400> 14183

cccgggtccga caaacgggt ngncacgc gtccgataaa aaagagtctt tgagtttggt 60
ggttgcatcg atcgatata agagacatgg gtcgagtgaatt attggagata aaacgaatag 120
aaaacacaaac gaatcgacaa gttacattct ccaaaagang aaatgggtctt ataaagaaaag 180
cttatgaatt gtccattctt tgtgacatcg acattgctct cctcatgttc tctccctctg 240
atcgcccttag cctcttttctg ggcaaaacaa ggattgaaga cgttttctct agatacatca 300

atctttctga tcaagaacga gagaatgctc tagtattccc cgatcaaagt cgacgcccag 360
 atttccagag caaagagtat ctactccgga ctttgcagca actcaaggct gagaatgata 420
 ttgctcttca acttancaac cctacagcta tcaactccga cgtcgaggaa cttg 474

<210> 14184
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-G4
 <400> 14184

cggagagaaa gatgggtaga ggaaagatcg agataaagag gatagagaac gcaaacaaca 60
 gagtgggtgac gttctcaaag aggaggaatg gattgggtgaa gaaggctaaa gagatcacag 120
 ttctttgtga tgcaaaagtt gccctcataa tctttgcaag taatggtaag atgattgatt 180
 actgttgtcc ttccatggat cttgggtgcta tgttggacca ataccagaag ttatctggca 240
 agaaactatg ggatgctaag catgagaacc ttagcaatga gattgatagg atcaagaaag 300
 agaatgatag cttacaactg gagctcangc atttgaaggg agaagatata cagtctctca 360
 actttgaaaa atctgatggc tgtccagcac gccaatgaa catggcctcg acaaagtccc 420
 gagaccacca gattggagat tccttatatc aaagaggaga aattga 466

<210> 14185
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F9
 <400> 14185

gcccacgcgt ccgaaaatgt catctcttca ctggtttccc aatatcttca tcgttgctcg 60
 cgtctttcttc tccttgagaa gttcacaagt tgtactagaa gaagaagaat ccacagtcgt 120
 tggatacggc tacgtcgtaa gatcagtggg cgttgattct aaccggcaag ttttgacggc 180
 gaagcttgat ctgataaaac catcgtccgt ttacgcacca gatattaaat cgcttaatat 240
 tcatgtcagc ttggagacaa ntgagcgttt gagaatcaga atcacagact ctagtcaaca 300

aagatgggag ataccggaac cgttattcc cgtgccga aaccaactcc cctcgccgtt 360
tctcaagggg gggaaacgg gggaaactcc cggganaaa aatttcttan caaattcccc 420
aacggacttg ggtttcaccc ccaaaaaaaaa ag 452

<210> 14186
<211> 451
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-036-Q1-E1-C3
<400> 14186

ttcgaattct acactctttc tccgtcgttt accttacta cacctacgtt ttctcatgaa 60
gtaatcggtc tcgatctcag ttttcgtttt tgatctaact tattctttga tagatttaga 120
aatcggggat tttcagattg tgtttttgag aggtttttat aggaaaatat ctctagaaga 180
agaagaataa tattatattg attttaattt tggtgagaag aagtcaaaaa gtcaacgaga 240
aatgggggtc ttgcaaatgc aaacaagtcc tgaatccgat aatgatccga ggtacgccac 300
ggtgacggat gagaggaaga ggaagagaat gatctctaac agagaatctg ctcggagggtc 360
aaggatgagg aaacagaagc aacttggtga tttgatcaac gaagtcactc ttctcaagaa 420
tgataacgct aaaatcactg agcaagttga t 451

<210> 14187
<211> 360
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-104-Q1-E1-B12
<400> 14187

gaagaatatg gcgagaggga agatccagat caagaggata gagaaccaga caaacagaca 60
agtgacgtat tcaaagagaa gaaatggttt attcaagaaa gcacatgagc tcacggtttt 120
gtgtgatgct agggtttcga ttatcatgtt ctctagctcc aacaagcttc atgagtatat 180
cagccctaac accacaacga aggagatcgt agatctgtac caaactattd ctgatgtcga 240
tgtttgggcc actcaatatg agcgaatgca agaaaccaag aggaaactgt tggagacaaa 300
tagaaatctc cggactcaga tcaagcagag gctaggtgag tgtttggacg agcttgacat 360

<210> 14188
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-074-Q1-E1-F8

 <400> 14188

 cggacgcgtg ggcaacacat caataacgcc tgggtggtcga aaaagcatgc tgaagttagc 60
 tcaacgcatg acgttcaact tctgttcggg aatctcggcg ccgtcgggtcc acaattggag 120
 caagctcact gttggaaatg ttgaccgga cggttcgagtt atgaccgta agagtgtgga 180
 cgatccagga gagcctccgg ggattgtttt gagtgtgccc acttctgttt ggctacctgc 240
 tgcaccacag cgtctgtatg atttcttgcg gaacgaacgg atgagatgcg aatgggatat 300
 tctatccaac ggtgggtccca tgcaggagat ggcccatatc accaaaggtc aagatcacgg 360
 tgtctctctg ctccgctcca atgcaatgaa cgccaatcag agtagtatgc taattcttca 420

<210> 14189
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-100-Q1-E1-G12

 <400> 14189

 acgcgtccgt ggagaactcg ttaactgcaa aagagaagat tatttcggag cttaatatgg 60
 agattcacia tggtgagaca gcttttagcta atgagcgaga aagtcatgtt gccgagataa 120
 agaaattgaa ttctttgctc aataaaaagg atactatcat tgaagagatg aagaaagagc 180
 ttcaagaaag accatcagca aaattagttg atgatttgcg caaaaaagtg aaaattctgc 240
 aggctgtagg ttacaattca attgaggctg aagactggga tgctgctacc actggtgaag 300
 agatgagcaa aatggagtcg cttcttcttg ataaaaacag aaaaatggaa catgaggtca 360
 ctcagt 366

<210> 14190
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-C12

<400> 14190

cacacgcgtc cgcccacgcg tccgcccacg cgtccgcaaa gagagaagaa tatggcgaga 60
gggaagatcc agatcaagag gatagagaac cagacaaaca gacaagtgac gtattcaaag 120
agaagaaatg gttttattcaa gaaagcacat gagctcacgg ttttgtgtga tgctagggtt 180
tcgattatca tgttctctag ctccaacaag cttcatgagt atatcagccc taacaccaca 240
acgaaggaga tcgtagatct gtaccaaact atttctgatg tcgatgtttg ggccactcaa 300
tatgagcgaa tgcaagaaac caagaggaaa ctgttgagaa caaatagaaa tctccggact 360
cagatcaagc agaggctagg tgagtgtttg gacgagcttg acattcagga gctgcgtcgt 420
cttgaggatg aa 432

<210> 14191

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-F9

<400> 14191

actctatctc actcttttget tctgcaactc acagtcaatg gcggctgaaa tggcgtagt 60
gaaacccatc tccaagttct cttccccaaa gctctcaaac ccgagcaaat tcctctccgg 120
ccgacgtttc tccaccgtga tcagaatgtc agcctcttcc tcaccgctc ctccaaccac 180
cgccacctcg aagtccaaga agggaacgaa gaaagagatt caagagtcgc ttcttactcc 240
gaggttctac acgacggact tcgaggaaat ggaacagctt ttcaacacgg agatcaacaa 300
gaaccttaac gaagcagagt tcgaggctct gcttcaagag ttcaagaccg attacaacca 360
gacacatttc gtgaggaaca aggagtttaa agaagctgca gac 403

<210> 14192

<211> 349

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-B1

<400> 14192

ggatcgcccc acgcgtccgc tgacggtgct ggatggtgag aaccctgagt tcaagaggaa 60
 actggataga atggttgtga gctatgagaa gctgctggct ataggagaaa cagatgatgc 120
 ttccttcacg aagaccctca agaggattcc tttggttact tctttagcct ctgagatcct 180
 ggctgcttat ctcatgcctc ctggtgagtc tggctctggt gatttcgccg agtttgagcc 240
 taatcttgtc tattagtagc tgcaatgtca agtcttgagt ttacggctgg ttcttgattt 300
 cttgtaattg aatgatcgaa actgagaaac atcgtctttt tttttttgc 349

<210> 14193
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-025-Q1-E1-A12
 <400> 14193

tgaaatggac aatggtgatg ctacaattca atctagaaga gaagtctttg cattacaggg 60
 acgaaccttt atctcacatc ttcgtcatga acaatgtcca ttacatagtt cagaagggtca 120
 aaagctctcc ggagctaata gagttgatag gagacaagta tttaaggaag cttaccggga 180
 tatttagaca agcagctacc aagtatcaga gagctacatg ggtcagggtg ttgaatagct 240
 tgagagatga aggattacat gtgagcggaa gcttctcttc cgggtgtatcg aagagtgcct 300
 taagagagag gtttaaagct ttcaatacaa tgtttgaaga gggtcacagg attcaatcga 360
 catggtcggg tccggatact cagcttagag aagaactcag gatattctta tcggagcat 419

<210> 14194
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-H7
 <400> 14194

aaaagatgga aaaagttttc tccgacgaag aaatctccgg taaccatcac tggtcgggta 60
 atggaatgac gtcgttgaat cgcagtgcct ccgaatgggc attcaatcgt ttcatacaag 120
 aatcctccgc cgctgcagac gacggagaat ctacgacggc gtgtgggtgt tccgtctcct 180
 ctctctctaa tgttcctgta gattcagagg aatacagagc atttctcaag agtaaaactta 240

atcttgcttg tgctgctgtc gccatgaaaa gggactcac tactctgctc angtttgaat 300
 tttttttttt ttcatagaac aagaaaaaca aaaacttttt atctgttagt ttgatgagtt 360
 cacttgaagc taagaaacta atcttgtttt gttatgtttg agtggttaaga tcntattgga 420
 ccttttgta 429

<210> 14195
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-040-Q1-E1-F10
 <400> 14195

gctatatgac ctttttagtt agtgactcga gattacataa aatcttctat aactggatc 60
 cacatctggt tcaatcatgg cggagaatgg tgaagagaag ttacttgctg ttgcgcgtca 120
 catatccaat aacttgggc acaatgaatc catggtcgat gatattctac atatcatctg 180
 caacttcgac ggcagatttt ctgctagaa gctcgccaaa ggtcaagctg gtgaatatgg 240
 atccggagtc gccacactcg agcaagctcg aaattcaata tacggtcaga tgactcgctt 300
 tgttgctgcy gactaatcaa tttgggctga tcctgcagat tcagctgctt tcctcgatac 360
 agtcgatgag ctggttgcaa tca 383

<210> 14196
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-040-Q1-E1-E1
 <400> 14196

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 aaacaactga gcaacatgaa tcacaagtat gacgaggctg ctggttgcaa tagaatacta 120
 aaggctgaca ttgagacatt aagagctaag gtgaaaatgg cggaagaaac cgtgaagaga 180
 gtaacaggaa tgaatccgat gcttctcgga agatcaagtg gacataacaa caacaacaga 240
 atgccataa ctggtaacaa caggatggat tcttctagca ttattccagc ttatcaacca 300
 cactcaaacc taaaccatat gtcaaaccaa aacatcgga tccaacat tctacctca 360

agactcggaa acaatttcgc tgctcctcca tccaaaacag ctctccttgc 410

<210> 14197
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-074-Q1-E1-H2
 <400> 14197

atcaatcact ctctcttctt tagcggtttt attttgtctt cctcggtttt ttctaccttt 60
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 gataaatatt tgatgtggca aaactcttgt ggatcttgat gttcaaaca tcatgtctcc 180
 ggtgattagt gaaatcctta gatctgggtt aactatagac tcgtctctta gacgcaggac 240
 ccatcttggt caatctttct cgcgcgtctt tctctactgg ttctatgttt tctcataaat 300
 cagctctcct ttagcgcttt attattagat attctataac cataataata tattaact 360
 atatactata atctttttac ataataaact ttgggtc 397

<210> 14198
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-D6
 <400> 14198

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 aagggtatct tgagcgatgt agagcttctc aaagagatca ctgatgcctc acgtggcgct 120
 gtttccgcct ttgtggaaaa aacaacaaat agcaaaggac aggtggtgga tgtgtctgac 180
 aagcttacct cgcttcttgg gtttggaatc aatgagccat gggttgagta tttgtccaac 240
 accaagttct acagggcgaa cagagataag ctcagaacag tggttggttt ccttgagag 300
 tgcctgaagt tggtggtcat ggacaacgaa ctagggagtc taatgcaagc tttggaaggc 360
 aagtacgtcg agcctggccc cggaggtgat tccatcagaa acccaaaggc cntacaacc 420
 ggtaaaaaa tc 432

<210> 14199
 <211> 210
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-086-Q1-E1-D5

 <400> 14199

 ctctcattaa aaacgtgttt ttttttaccg gtcaccggtt tatggaatga ctgattaccg 60
 gctacaacca acgatgaatc tttggaccac cgacgacaac gcttctatga tggaagcttt 120
 catgagctct tccgatatct caactttatg gcctccggcg tcgacgacaa ccacgacggc 180
 gacgactgaa acaactccga cgccggcgat 210

<210> 14200
 <211> 202
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-H11

 <400> 14200

 aacgtttaca cgcttttgatt gaaggaacac acgaagggtg gacctacgct atattctggc 60
 aaccgtcgta tgattttctcc ggcgcctccg tgctcggatg gggagatggg tattacaaag 120
 gtgaagaaga taaagcaaac ccgagacgga gatcgagttc gccgccgttt tctactccgg 180
 cggatcagga gtacaggaaa aa 202

<210> 14201
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-058-P1-E1-A2

 <400> 14201

 cccgaatctg gatccgactc cgagtccggt tcatttctcag acccagaatc cgaaattcaa 60
 taacactttc tcccgagAAC ttaatttttc gacgtcaagt tctactttag tgaaaccaag 120
 atccggcgag atattaaact tcggcgatga aggtaaacga agctccggaa acccggatcc 180
 aagttcttat tcgggtcaaa cacaattcga aaacaaaaga aagaggtcga tggttttgaa 240

cgaagataaa gttctatcat tcggagataa aaccgccgga gaatcagatc actccgatct 300
 agaagcttcc gtcgtgaaag aagtagcagt agagaaacgt ccaaagaaac gaggaagaaa 360
 gccagcaaac cgtagagaag agccactaaa ccacgtcgaa gcagaga 407

<210> 14202
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-G7
 <400> 14202

agggaaaaacg ctcacaaacc tcaacaatct ctctctcttc tctctctgta tatagaagaa 60
 tctccattgt ctttaatttc tctccatttc tctttctctc ttccttcaaa gttttctctt 120
 ttcttgatgg gtttaagaga gtaaagatca tcaagtacta tgcattaaat tgagaagtta 180
 ttaaaaatct cgaaagtaat taaagattgt tgatgatgaa gagattaagt agttcagatt 240
 cagtgggtgg tctcatctct ttatgtctca caacttcac agatgagcag agtccgagga 300
 gatacggtgg gagagagttt cagtcgatgc ttgaaggata cgaggaagaa gaagaagcta 360
 tagtagaaga aagaggacac gtgggcttgt cggagaagaa gagaaggtta agcattaacc 420
 aagttaaagc tttggaga 438

<210> 14203
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-110-Q1-E1-B12
 <400> 14203

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 agttattaaa aatttcgaaa gtaattaaag attgttgatg atgaagagat taagtagttc 120
 agattcagtg ggtgggtctca tctctttatg tcctacaact tccacagatg agcagagtcc 180
 gaggagatac ggtgggagag agtttcagtc gatgcttgaa ggatacgatg aagaagaaga 240
 agctatagta gaagaaagag gacacgtggg cttgtcggag aagaagatan aggttaagca 300
 ttaacaagtt aaagctttgg agaagaattt tgagtttagga gaat 344

<210> 14204
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-045-Q1-E1-F7

 <400> 14204

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 tctttctctc tgtttctctt ttctcagaac tcagaagtag ttgttgtttt atttctgttg 120
 atcaaaaatg gaatccaatt cgtttttctt cgatccatct gcttcacacg gcaacagcat 180
 gttcttcctt gggaatctca atcccgtcgt ccaaggagga ggagcaagat cgatgatgaa 240
 catggaggaa acttcgaagc gaaggccctt ctttagctcc cctgaggatc tctacgacga 300
 tgacttttac gacgaccagt tgctgaaaa gaagcgctgc ctactaccg aacaagtga 360
 tctgctggag aaaagcttcg agacagagaa caagctagag cctgaacgca agactcagct 420
 tgccaagaag cttggtctac ag 442

<210> 14205
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-101-Q1-E1-H2

 <400> 14205

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 ttggtgttga ttggtattag atgactatct cttagtatta gtcaattctc tgtttccatc 180
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 atccaagcag ctcgagactg agtacaacat tctcagacaa aactacgaca acttggcttc 360
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 <223> Clone ID: LIB25-031-Q1-E1-D12
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tcgaagtcca agaaggggaac gaagaaagag attcaagagt cgcttcttac tccgaggttc 240
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 ggagctgcta gagagaaaaag cctcagagac tttcaagtta aacaaaaagtg agaaaaaatt 180
 gacctgtgta atgaaattcg gtggctcatc agtggcatct tcttataaag gatgatacaa 240

gttgccaaac tcatactcag cttcgcagat gagatagctg ttgtttgtgct atcagcaatg 300
gcaaagacca ccaataagct tttgatggct ggggagaaaag ctgttttgctg cgggtgtcacc 360
aacgtcgaca ctatcgaaga gttgagctat at 392

<210> 14211
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<400> 14211

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ctgtaccatt tgctgagatc acaacacgca agtctcttag atttagcaag cttatggctt 180
cattgcagtt gtacggagtt aaaactccag ggcttgcttt aagttcaaag aggcttgagt 240
ttgcttcaaa gggggcatgt ttttcagtta cgttgccctc aagtagtgct gtcttttagag 300
acgtagagca ttctttagg aatatagggt tgagagttag ttgtgaagct ctaagagtcg 360
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ggctccgggt ttcactgccg ttctgatccg gatcacttct gttctcccggt ctgtggatca 180
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 ttgatatctg gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct 180
 atcgatcttc atttatatat aaaagcgtga atgagat 217

<210> 14214
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 <212> DNA
 <213> Arabidopsis thaliana
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 ttctttcaaa gctccttttc tgctgggttc cggtatccaat c 221

<210> 14215
 <211> 323
 <212> DNA
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 gttcataatt cgcgatcttg atctagcttc atttaaatat aataacatga atgagattat 180
 aatagactct acaggtgata cacagaagtc catcagtagt aattccttag tttacgaagc 240
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<210> 14216
 <211> 187
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 <223> Clone ID: LIB25-093-Q1-E1-A10

 <400> 14216

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 tcgtttgata tctggagaaa ggggtttctg gaaacaagga gttcataatt cgcgatcttg 180
 atctatc 187

<210> 14217
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 <212> DNA
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 <223> Clone ID: LIB25-084-Q1-E1-E10

 <400> 14217

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 aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc gatcttcatt 180
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 cagtagtagt tccttatctt acgaagctcc cctcggtt 278

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 <211> 371
 <212> DNA
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 <223> Clone ID: LIB25-116-Q1-E1-A9

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 tagatctacc ttgaagtgtg aatggagcag caacaatagc tgcagcagcg aggacgagaa 180

cgacgagggga atctagcaga atttttcttc ctaataacta ttttcgagct ttctgttttt 240
gttctttctt tttaaaaaac ttattaagtt cttatgaata atgacttggt aagtttgagt 300
tcgtcacctt cacaagcaag ttgtattggt gttttctact ttatgaatat gggttttata 360
taacacataa c 371

<210> 14219
<211> 353
<212> DNA
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<223> Clone ID: LIB25-104-Q1-E1-B5

<400> 14219

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gatatctgga gaaagggggt tctggaaaca aggagttcat aattcgcgat cttgatctat 180
cgatcttcat ttatatataa aagcgtgaat gagattatga tggagtcgaa aggtggtaaa 240
aagaagtcca gcagtagtag ttctttatct tacgaagctc ccctcggtta cagcattgaa 300
gacgttcgtc caaacgggtg aatcaagaaa ttcaaattct ctgtctactc aaa 353

<210> 14220
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-083-Q1-E1-C8

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tctggaaaca aggagttcat aattcgcgat cttgatctat cgatcttcat ttatatataa 180
aagcgtgaat gagattatga tggagtcgaa aggtggtaaa aagaagtcca gcagtagtag 240
ttctttatct tacgaagctc ccctcggtta cagcattgaa gacgttcgtc caaacgggtg 300
aatcaagaaa ttcaaattct ctgtctactc aaactgctcc aagatgccat cctgagtacc 360
agcgtgcacc gatcttcata atataatt 388

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 <223> Clone ID: LIB25-083-Q1-E1-D10

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 tatctggaga aaggggtttc tggaacaag gagttcataa ttcgcgatct tgatctatcg 180
 atcttcattt atatataaaa gcgtgaatga gattatgatg gagtcgaaag gtggtaaaaa 240
 gaagtcacgc agtagtagtt ccttatttta cgaagctccc ctcggttaca gcattgaaga 300
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 atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180
 gatcttcatt tatatataaaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240
 agaagtcacg cagtagtagt tccttatttt acgaagctcc ctcggttac agcattgaag 300
 acgttcgtcc aaacggtgga atcaagaaat tcaaactctc tgtctactca aactgctcca 360
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<223> Clone ID: LIB25-038-Q1-E1-E1

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ctggtttgag ggtttcgttt gatattctgga gaaaggggtt tctggaaaca aggagttcat 180
aattcgcgat cttgatctat cgatcttcat ttatatataa aagcgtgaat gagattatga 240
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<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-031-Q1-E1-D10

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atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180
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agaagtccag cagtagtagt tccttatttt acgaagctct cctcgggttac agcattgaag 300
acgttcgtcc aaacgggtgga atcaagaaat tcaaattctt tgtctactca aactgctcca 360
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<212> DNA

<213> Arabidopsis thaliana

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 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
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<210> 14231
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 <213> Arabidopsis thaliana
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<210> 14234
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-062-Q1-E1-D3
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 gcgctagaat caccggatct cttcacatga ccatccaaac cgccgtactc atcgaaaccc 240
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<210> 14235
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-051-Q1-E1-D12
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 aagacatgtc tcaagccgat ttcggtcgtc tcgaactcga gctcgccgaa gttgagatgc 180

ctggactcat ggcttgctgt accgaattcg gaccttctca gccattcaaa ggcgctagaa 240
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tcggtgctga agtcagatgg tgttcttgca acatcttttc cactcaagac cagccgccc 360
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actggt 426

<210> 14236
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-023-Q1-E1-B6
<400> 14236

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ccgatttcgg tcgtctcgaa ctcgagctcg ccgaagttga gatgcctgga ctcatggctt 180
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gatggtgttc ctgcaacatc ttttccactc aagaccacgc cgccgcagcc atcgctcgtg 360
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agcgtgctc 429

<210> 14237
<211> 224
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-095-Q1-E1-A1
<400> 14237

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tccccaagag tcaccaacga ggggtgtccag aaggctgctg ctgctttgaa gggatctgac 180
caccgtcgtg caaccaatgt tagtgctagg ctagatgctc agca 224

<210> 14238
 <211> 387
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-068-Q1-E1-B1

 <400> 14238

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 tttctgggat ggtaagagca ctgctgagga tcttcagaag gtgtctgctg atctcaggtc 180
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 <211> 380
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-002-Q1-E1-D4

 <400> 14239

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 tcactacgac caggttcttg acaccaccgc catgctcggt gctgttccac ctaggtatgg 300
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<210> 14240
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

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aaaaggaatt ttatggggga agatcttgat tcgttgagct tgaaggagct ccaaagcttg 180
gagcatcagc tcgatgcagc tatcaagagc attaggtcaa gaaagaacca agctatgttc 240
gaatccatat ctgcgctcca gaataaggat aaagccttgc aagatcacia caattcgctt 300
ctcaaaaaga ttaanggaga gggagaaaga aacnggtcaa caagaaggnc aattaatcca 360
atgctccaac tcctcctcaa ttcctccgcc tcaatactgc gtaacctcct ccananatgg 420
ctttgtggan anaattgggg gaaaaaacng tgggtgc 456

<210> 14243
<211> 60
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D9
<400> 14243

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<210> 14244
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E2
<400> 14244

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tnaacatgca ctataccac aaagcctcgt ctacgtctcc tccgccgctc cgccgtcgct 180
ggaaccgccg tatctgatna aacagaagga ggtggagatg ttctttttaa cctgaagaa 240
gagaaacgtg ttgaggtggc ggattatgat tggacagang aatggatatcc aattgtactt 300
aactaaaaac gtccctgaag atgcgctcc ttgggctcaa cgttcnacga ttgtcaaat 360
tgnnttttgg ataaaagacc ggtnaaangg aacacttccc ttgggttacna aagattnggg 420

gggaaagggg tccaaaatcc tccaanactg gtccccccct ggtcaagaat caagagacta 420
aacaaaaggn aagaaagaaa caagatacca acttgggagt tcctcctt 468

<210> 14247
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E6
<400> 14247

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ctgcattgag tgctagtaaa ggcgtcaa at cagcggatgc tgggagtatg aagatgacca 120
tgttgtcgat gggaaagact ttggttgagc agaagaagaa taaaagata atgacattga 180
agggaaagaa agagttgggtc atagatatgg tgaaatggac taaaatgggtc gctacatttg 240
tgaagtcggc ctccgagcag aaaggaaagt ctatcaatat agcatcttat ggtcttgatg 300
tcgatgttaa cgatagttn attgtcgggtg ganctgcaan tagtgaatca tcctccacta 360
aatcctggat cggtttccaa ttaccggaag tgttccnaca agtcnnaag aatccaanta 420
ntaatgggaa gttctgccaa tgggaa 446

<210> 14248
<211> 76
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E8
<400> 14248

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nagaattgca tcagga 76

<210> 14249
<211> 391
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E9

<400> 14249

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attgatntan atacagnagc tattgaactc aacagcaaca acgctgtgta ttgggcaaat 180
cgtgcatttg ctcacacaaa actggaggaa tatggcantg caatacanga tgcacgaag 240
gccattgaag ttgattcaag atactctaag ggctattaca ggctgtgtgc tgcgtatctt 300
gccatgggaa aatttaagga tgccttgaag gacttccaac angtaaaaag gctttctcct 360
aatgaccctg atgccacaag aaagctanag g 391

<210> 14250
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F10

<400> 14250

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cgctaattt ctccaattca ctctaattcc cggctcgtat ccgtccgatg tgcggcatcg 180
acctccggtg gaagcgggtg tgatcggaan gtctcttcan ggttgctgca ngtgcancan 240
atgcttcatg aaccgaaga gagagctagt tccgctggca atgagcctac tcctcaaact 300
actctagaca atgttacact taactttgct agaagtgggtg gtcctggagg ccagantgtg 360
aacaattga ataccaaagt agatatgcgc ttcaatgtta ngaacgcg 408

<210> 14251
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F2

<400> 14251

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nngngtaantt aaactnntcn nctgcccang aaacgggtcan agnattcccg gggncgaccc 60
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 gctcaatctg ttcgtgtgac ttcgaggatc ttcttctcca ccggagaatt gattagggtt 180
 cttccttata ctcgttctaa aagattgatc tgttctactc gtgctgctca taatgaagaa 240
 gccgcccgcga aagctgcggc ttctgttgct gacaccggag ctccgaccat atttgacaag 300
 attatagcaa aagagattcc ctcagatatt gtctatgaag atgaaaacgt tttggnattc 360
 agagacatta accctcaggc tcctgttcat gttttggtca ttccaaattn aaaaaaatgg 420
 nttgacctcc ccttggaag gntgaancaa agaaaactta aagggttcttg gcaaacttcn 480
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<210> 14254
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-117-Q1-E1-G11
 <400> 14254

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 attcaccacc acaaagcgga caattctccg gcaacttcag ctccggcgaa ttccccaaaa 180
 aaccagcacc accaccatca acatacgtaa tccaagtccc aaaagatcaa atctaccgta 240
 taccaccgcc ggaaaacgca caccgctttg aacaactctc tcgtaaaaaa accaaccgca 300
 gtaactgtag atgctgcttc tgctcattcc tcgccgggt tttcatctta atcgtcctcg 360
 ccggaatadc cttcgcggtt ctctacctaa tctaccgtcc cgaagctcta 410

<210> 14255
 <211> 730
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-G2
 <400> 14255

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cnaaacccgc ccgggttccc cngnaacggc ccnggggggtt acaggtttta ngttcccaaa 180
gggaagggaa ngnaaggnaa ggaaacccaa aaaaattggg ggccttaant ggncccttn 240
aagggggggg ccaaaacccc ttctggggg tccccggcc ttttaanccc cggggaagga 300
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ctacttctct atgcgctata ccaagcaggc tactgtagga ccatgcaaca ctccgaaacc 480
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cctccattga nggcaatgcg tctctttgtg aaaattctgg gagggaagat gattctgggt 600
ggnaattcaa nggnatctaa tgatattcca aattctgttg gttaaagtcc aaattaatca 660
agagagcaaa agatgagcct gttgttgaga atgggagcac atttagtgag acaaaaacaa 720
tttctacggg 730

<210> 14256
<211> 468
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G4
<400> 14256

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tcggaagcgg ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggt ccatcaggca 180
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gctaccttac cggagagttc cccggagact acggatggga caccnctgga cnttcaactg 300
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ngcctccgaa ccctaagntg cgtcctccct gaacttttgg ctangaacgg agtcnagttc 420
ggagaagcgg tttggttcaa ggccgggttca caaatnttta ccganggg 468

667330-463660

<210> 14257
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-G5

<400> 14257

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cgatttccaa aggttttgag ctttgaaaaa tggtgagaat cagtgtgctt aacgatgctc  180
ttaagagtat gtacaatgct gagaagagag ggaagaggca agtcatgatc aggccttctt  240
ctaaagtgat catcaagttt cttatcgta tgcagaaaca cggttacatt ggtgagtttg  300
agtacgttga tgaccacagg tctggaaaga tcgtggtcga gcttaatgga agacttaaca  360
aatgtggagt catcagtcct cgtttcgatg ttggagttaa ggagattgaa ggctggaccg  420
ctcgtcctcc tccttccaaa cagtttgggt acattgttcc tacgaactcc gctggtaata  480
agggnaaaga agaaaccaag agaaanattg                               509
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<210> 14258
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D6

<400> 14258

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gtaatccaga ttttgtgctg tgtaattgaa ttgtttgtaa ccaacctgac tttgattttc  180
ggttcattgag ttccgggttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa  240
aaaanaaana anaaaaaana naaaaaanaa aaaaaa                               276
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<210> 14259
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B5

<400> 14259

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aaggtcctaa 70

<210> 14260
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B6

<400> 14260

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acgcttgcca agtctgagaa gtttgatgaa ctaatggctg cagctaataga agagaaggag 240
gctgcagaag cccaagagca aaactagatt gtttcaagtt ttttctgttc aacgatctta 300
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ggttcacttt ttttaattcaa ccttggattg tgtctccgta cctctganca ttttatttaa 420
agatcgtagg aagt 434

<210> 14261
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B7

<400> 14261

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tccgcgatag taanagcgaa tactctaccc gcgttgatag gtattctcca aacggatcaa 180

actagaaacc ganagaacgc ancagcnata ttgctttcgc tgtgtaaaag agacactgag 240
aaactgatca ctatcggttag actcgggtgcg gttgtcccgt taatggattt atcnaanaat 300
ggaacagaga gaggcanaag gaaagccata tctttgttag agcttcttcg taaagcatgn 360
caataataac tantcttctg acaaaaaang gtcaacaaag ctcaaat ttt aatgaagtta 420
taaattat 428

<210> 14262
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C1
<400> 14262

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caagcttgtn atggatcgga gagagagatc agtggttcttt ggatcttcca atttctccac 180
gtttgtgctt gaattgcaga agaagttttg tataggactc tgttttgctt gttgatagaa 240
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gagctgggtg ttctcaacta gttagagagt ttctcgattg gtcagagctg cttttattga 360
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aatccgg 487

<210> 14263
<211> 475
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C10
<400> 14263

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cacacaaact aaaanaaagg caaaacccta gatccaagat cagacctaat ctaatcgaaa 180
 ctcatagctg anaaatgaag agagatcatc accaattcca aggtcgattg tccaaccacg 240
 ggacttcttc ttcacatca tcaatctcta aagataagat gatgatgggtg aaaaaagaag 300
 aanacgggtgg aggtaacatg gacgacgagc ttctcgctgt tttaggttac aaagtttaggt 360
 catcgganat ggcggagggtt gctttgaaac tcgaacaatt agagacgatg atgagtaatg 420
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<210> 14264
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C11

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 cggacggacg gacggacgat aaaacttttg cctctaattt gctctacaa atctggaatc 180
 agccggagcg aatctcgaag cttatgatct cgacttgctg aagaggctgg gaatggctgg 240
 taaagaggag actgatgtat ctgcacaagg gtctttaacc agggaggcca ctgagatatg 300
 gaggagtgag ttggaatctc gccggtttca ggtagatagt ttagaagctg aacttggtga 360
 tgtcaaggct taccttgagt ttggctcaga agaagatgcc agaaaggagt taggagttct 420
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 ctggncatc 489

<210> 14265
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C5

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 aagctgcac atgaaaaatgt catccatttg aaagagattg ttacttctcc aagtcaaga 360
 taagggatga tnaaaggaaa gccaaagatta taacaataca aggtgg 406

<210> 14266
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C6

<400> 14266

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 catgtaacgc aagggaacca tgaaggtaat ggagtgatca tttcttgggt gactccggtt 240
 aagcccgggt ctaagactgt tcaatattgg tgtgagaatg agaaatcgag gaaacaagca 300
 gaagcaacag ttaataactta ccggttcttt aattacacgt ctggttatat tcaacattgc 360
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<210> 14267
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C7

<400> 14267

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attccccag cctatcttcc tccgccacgt catctctacc cagtcgaatt tcgagatcga 180
 tcgaaattat agagctcatg cgtcttctat cggatcattc gaggatagct cttcttctaa 240
 cttactagaa gacgccagtt ccgatgggtt cgatttgggc agctttgttt ctttcgcgga 300
 agcgctttgt attttatcat ccgccgtgat ttcagtgggt ctcgcggtga attacgtggg 360
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 ccaat 425

<210> 14268
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D1

<400> 14268
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 ccnccacgn ngtcgcccca accaaagttt ctcatcattc atttcagatc agccatggag 120
 gacgaggtaa tcttacatct tttcgtatat atttattata aacacgattt agctctgttt 180
 ttccgccgga gattataatt tgccggagac ctttattcga gatctgattg atcatttctt 240
 atatgcctac attaaacttg ataccatta gatttctttt tgatggaaat cgatttgatg 300
 tgaaattagc tgctcggtac tctgggtttt tccactcacc ctctatagat gatctgggtg 360
 agtgtttgta tagagaagaa agacatatga gttcattaga attgtagaaa agtgatggaa 420
 agattttccg tcaaataccgt ttctcaaaag gcgtgggtgg ccaatgttgc cccaactggg 480
 aattggttaa tananttccc 500

<210> 14269
 <211> 191
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D12

<400> 14269
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tctccgtngt ccgttctgct tcnctctcat cacattattc gccgtcgcca gttctcttct 120
 cgtcacctat attncacctc cgatgcattc ctctccgttt gcaactctcg ccttcacgcg 180
 aatctcaatc t 191

<210> 14270
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D2
 <400> 14270

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 ctaaattcac tcanttggna ccnttcaggt caaatctgag ggattcatgg cgaaatggat 120
 tgggtttaan aacactgctg gtccattggg acaccaagcg gtcgcactcc gtgtgaacgg 180
 agaccgtgcy gtcattattca actgtagatt cgacgggtac caagacacac tctacgtcaa 240
 caacggacgt caattctaca ggaacattgt tgtatccggt acagtggatt tcatcttcgg 300
 aaaatccgca actgtgatcc aaaactctct catcctcgtc cgaaagggaa tccccggaca 360
 atccaactac gttacggctg acggtaatga aaaggggtgca ncgatgaaaa tcggtatcct 420
 cctccatnac tgccgtttca taccgggcaa aggantccaa nctgacaagc taaccatcaa 480
 aatcntacct anggaaggcg 500

<210> 14271
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D3
 <400> 14271

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 angcttgcn a ngnggaacn gnacctttgt taaactgtgt caattgggtt gagagtaact 120
 cttgggatgg acgttatggc ctcgtcattt gtactgacag cgcggtttat gcagaaggac 180
 ccgcaaggcc cactggagga gctgcagcga ttgctatggt gataggacct gatgctccta 240

tcgttttcga aagcaaattg agagcaagcc acatgggtca tgtctatgac ttttacaagc 300
ccaatcttgc tagcgagtac cgggttggtg atggtaagct ttcacagact tgctacctca 360
tggctcttga ctctgtctaa aaacanttat gcaacaaagt tcnaaaaaat tcaagggcaa 420
agagttctcc ataaa 435

<210> 14272
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D6
<400> 14272

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atttcgccgc gtgactctta tctccgtcaa cgccgataaa ttctccggtg aagtaaccgc 120
cgcgatgtcg tttcttttcc gtaagaacgg tagtagttca cggaggaaga tcaaagaaaa 180
actccgtggt cgtcactcag atcgaggtgg gaagagagaa gaagatgaga gatacggcgg 240
ctccggctcc gatttacctc caccaccgtc tccttgggga tttctcttcc cggaggattt 300
tgtaagaatc gacgggaatc tcaaagctgt taattgtaga tgatgaagga ttagatgtga 360
tttactggaa gaagcttcta nagttgggaa atanccggaa aantnagaaa aacctaaacc 420
tagaagaagg 430

<210> 14273
<211> 502
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-E2
<400> 14273

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caccgtgctg aattagattc ttcaaagcaa tcaacttcac agtcagttgt ggatcgagag 180
gtaagtgaat ggcacgatgc accgactgtt gctgagccta aagacttgca atatctgaag 240

actgatcaag acaaattttg ggaaaatctg aaagcggctg ctgagaagaa ggttggtggg 300
 gttgaagcag agagattttg caaggctttc gagaaactcc acaagaaact tgtgtatgaa 360
 gaattggatc cagaagctgc aaagcgatat ttactaaact cttaaacttc tgcctcttat 420
 atgatgtgcn tccaaaagtt tgttaaattgt nggagacact tcnagtcttg gccttttctt 480
 taancgtaat tatgaattta ng 502

<210> 14274
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B4
 <400> 14274

cttntacgcc tcccgggtgcc ggtcaaagaa ttcacggggg cgcacgcacg cgtccaactt 60
 aactccggga gctctctatc tttgggtcgc ctcttatcgg aatcgggcagc gcagggaaga 120
 gggcagatta tgaataatga tacatcaaaa aagctgggaa ctttggtttc tgatgatgga 180
 ccagtgaatg tatatgtatg ggacatggac gagactctta tcttacttag atctctgtta 240
 aatggaactt atgctgagtc ttttaatggc tccaaagatg ttaaaagagg tgtagagatt 300
 gggaggatgt gggagaaaca catacttaag atctgtgacg attttttctt ctacgagcaa 360
 gttgaggaat gcaatgagcc atttcttgat tcattgagac agtatgatga tggaaaangat 420
 cttctcggtg tgaagttcaa acaagacgac ttagtacnct acngatactt gaacaagnag 480
 gaaacttgcn t 491

<210> 14275
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H6
 <400> 14275

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 ctgctaattt aaggaaacaa aaatggtgga tcttgaaaga agagtgtgtt gcatgtgtgg 120

tgatgtggga ttcttcgaca agctctttca ctgcagcaag tgccttaatc gctttcaaca 180
ctcgtactgt agtagctatt acaaagagca agctgatcca atcaagatct gtgattgggtg 240
tcagtgtgaa gcaaaaagtc gaaccggagc aaaacacggg gttaatgggtg gatcgtctaa 300
nagatcgtac cggtcggaat aatcttcaac tcatcaacaa atcaaacaag naagagantt 360
ancaaaccac ntngtggnan nnttccccca naaaanc 397

<210> 14276
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H7
<400> 14276

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agttaaaaga tagaaataat gtctgaaaag gtgggagcga tgggtggtaa caaggggtgga 120
gcattcgacg atgggtgtttt tgatgggtgtg aagaaagtaa ttgttggaag agacttcaac 180
aatgtaactt atatcaaggt tgaatacgaa aaggacggaa aattcgaaat tcgtgaacac 240
gggactaatc gcgggcagct aaaagagttt tcagtggatt atccgaatga atatatcaca 300
gccgttggtg gaagctacga cactgttttc gggtacggat nancgttgat naagtcatta 360
ctctcaaaa actcctattg ganaaccctc caaaccttg ggccacnaa atttnnnngg 420
aaccacngg ggaaaaaatt t 441

<210> 14277
<211> 505
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-H8
<400> 14277

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tgcagaaagg ttcggtgtca caagagaaga gcaagatatg gctgcgggtg agtctcacia 120
acgcgctgca gctgcaatcg cgtctgggta aactcaagga tgaaatcatt cctgttgcta 180

6935

ctaagattgt ggaccctgag actaaagcag agaaggcaat cgtcgtatct gttgatgacg 240
 gtgtacgtcc aaactcaaac atggcagatt tggcaaagct gaagactgtc tttaaacaga 300
 acggttccac cacagctggc aatgctagtc agatcagtga tgggtgctgga gcagtactgc 360
 taatgaagag aagtttggct atgaagaagg gacttcccat tcttggagta ttcaggagtt 420
 ttgctgttac tgggtgtggaa ccatctgtaa tgggtattgg tccaactgtt gccaatcccg 480
 ctgcaantaa actcncaagg gtcna 505

<210> 14278
 <211> 258
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-115-Q1-E1-H9
 <400> 14278

ggcaacatct caaccgcaga gactggccat ggatacgagg tcgaagagag taaacccgag 60
 ttagagaaat gctaaaagcg ccaagctaag aagctattag taatttggtc ttactttgag 120
 agattgtttt ctaggagaca aaaagagttt caaaggtatt tgaattgatt tgtagtggta 180
 atgatttgac taactttcga gtttctttct tcttttgta aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aagggcgg 258

<210> 14279
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A1
 <400> 14279

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 tgggtgccgn atggtcactc ccggnacctc aaatctancg cgaatgcttc tggggaacaa 120
 ctctatancg caaatagcag aagcattctg gaccatcttg agcatangac tttgcaaaaa 180
 attcttttgg ttggaaacag tggttctgga actagcacia tattcaagca ggcaaagatc 240
 ctttataagg acgtaccatt cttggaagat gagcgtgaaa acataaagggt gattatccag 300
 accaatgtgt aagggttatc tccgtaagcc tccttgangg cccggaaccg gtttgaanaa 360

aaaacccctt gctcccaagg aacacaaanc att

393

<210> 14280

<211> 482

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-116-Q1-E1-A12

<400> 14280

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acgcctctaa actntntcan acaattttgc gtttctgctt ttcattttct ctcaagaagc 120

gtaaatggcg aacaatggac ctaactggga cggattactc aaatggagcc tctcacattc 180

cgatggagct tcctcttcta gccgtataag tgaggaagat cgacaatggg ttgtggaagc 240

tatgcaagca catacaatcg attcaatctc tcgtatgaaa gtaatatctc aaatcatgaa 300

gatgcctgaa caagtcttgg aggctcaagg agttacacct gatgatcttg aaggaatggt 360

ggctgagctg caggaacacg tcgagtcgat agatttgccc aatgatcttc actccattgg 420

aggtttgggt cctctcctta gctatctcaa gaactctaatt gcgaaaattc gagcaaagtc 480

tg 482

<210> 14281

<211> 358

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-116-Q1-E1-A3

<400> 14281

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acttgacagg gaacacgctg ttgttcangg atccaccgct gtagctgccg ncattgatct 120

ctacacttac gttactctcc gctttcctct tccatcagct gagaacaatg ataggcttac 180

anttcagctc aaggacattt ccttggngtt ttcattggtc ttagccagaa tcaaagaagc 240

gattccttat gattcaagca ctctctgccg ttctacgncg gcttcaggnt cagagggana 300

cccntngntc aattgcagnt ttggttgaag aanaaaatct tccaagggat aaaantgt 358

6937

<210> 14282
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A4

<400> 14282

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 gtgggggtngc ccttngcct ncccaaaacc caatccttcc tgggaccctc aacaaagtcc 180
 gaaggggaag ttgtccttcc ctccttgtcc tgatnatcag gaacagggtg aagtatgctt 240
 tgacttaccg tgaagttatc tctatcttga tgcaaaggca tatccaagtt gatggcaaag 300
 tcaggactga caagacttac cctgctgggt catggatggt gtatccatcc ccaagaccaa 360
 tgagaacttc cgtcttctct acgacaccaa gggacgtttc cgtctccact ccatcaagga 420
 tgaggaagca aagttcaagc nttgcaaagg gtnagattta accaattttg gccanaaggg 480
 ganttcata cctgaacnct tatgatggt 509

<210> 14283
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A5

<400> 14283

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 agattaagac acgtcatctc cggtttcgta gagagatctg aagaacgagt ctcttctctt 120
 ctccgatggg aacgctacag tcatggagaa aagcctatgg agccctaaaa gactccacca 180
 aagtcggact tgtccgtgtc aacagcgaat acgccgattt agatgttgcc atagtcaaag 240
 ctaccaatca tgttgagtgt cctcccaaag atcgccatct cagaaaaatc ttcgctgcaa 300
 catcagtgaac tcgtgctcga gcagatgttg cttattgtat tcacgccctt tcacggcggt 360
 tgcataaaac caggaattgg acggttgctt tgaaaacact aattgtgata catcggcttc 420

taangga

427

<210> 14284
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A6

<400> 14284

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tctctctctc tctctctctc tctctctctc tctctctctc ccaacttctt cactaatggg 120
agctcaggag aaacggcgcc gtttcgagca gatatcaaag tgcgatgtta aggaccgggc 180
caaccatacc gtggccgctg atctagacgg aacactacta atctctcgta gcgccttccc 240
ttactatttc ctgtagccc tcgaggcagg gagcttgctc cgagcgttga tctacttgt 300
gtccgtacca ttcgtttatc ttacgtactt gaccatctcc gagactttag ccatcaacgt 360
atttgctctc aacaagttcg cnggtctnan natcgagaag tttgagctag tgggccgggt 420
ccgtctctcn g 431

<210> 14285
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B1

<400> 14285

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taatcaaaaa gcttttaacc tcaagccgtt aaatctttct ccgatcatgc cgaccagaaa 120
catcgccatt ggtgggagtc caagaagagg tctatcacc caacgcactt anggcggcgc 180
tcgctgagtt tatctcgact ttgatcttcg tcttcgccgg ctcaggctcc ggaattgctt 240
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ctcangcttt cggtcncntt gtcgctgtct ctgttgngc taanattccg gtggncacgt 360
taaacctgcc gttacatcgg gtctantccg gggnaanaca cctccccct 409

<210> 14286
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B11

 <400> 14286

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cacctggaat tgccatactc ggagctggga tcttcgtcaa aactcaatac attccgagat  180
tagctgagat ctccgatctc gtcgacctga aagcgatttg gagccgtact gaggaatctg  240
caaaaggagc tgtggagata gcaagaaagc attttcctga agtgaagtgc aaatggggag  300
atgaggggtct caatgagatc attcaagaca gttcaatagt tgggtgttgct gtagttgtag  360
ctgcagaaac catggttgaa ttgtcactga agatgctcaa ggcaggaaag cagtccttc  420
aagagaagcc agctgctgct tcaatcagtg agatagaaac tgcaatgtcn agctntagaa  480
ttttctng

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<210> 14287
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B2

 <400> 14287

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tcggccgaaa cttccaaact cgtctttgtt acctggattc gatgttggtg ttcaagctgc  180
tgctacncca ttcaagaagg aaacaataac cacaagagcc actttgacgt ttgatngacc  240
aaccactaat tctgacagag ctaancagag anaacacacc antgacctt cttctcctga  300
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aag

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<210> 14288
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B3

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 ggtgggaatg gagggagtg tggggacgat ggtgcttttg atggtgttag aaaagtgcctt 180
 gttgggcgaa atggtaagtt tgtgagttat gtcaggtttg agtatgcgaa aggagaaaga 240
 atggtaccac atgctcatgg gaagagacaa gaagctccac aagagtttgt agtggattat 300
 cctaataaac atattacatc ggtagagga acaatcgatg gttaccttc gtcgctgaag 360
 tttacgacat caaaaggaag aacctccct gtttttggga atgtggtcgg tagtaaattt 420
 gtgttcgaag aaacaagttt taaaccttgt tgggttttgt gggccattcg gtgaaacnaa 480
 ttgatgccct tggggcaa 498

<210> 14289
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H5

<400> 14289

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 gcgaggagtt caaaggatc gttttcaaga tcaagggtgg ttgcgataag caaggtttcc 180
 caatgaagca gggagttttg actccaggcc gtgttcgctt tttgcttcac cgaggaactc 240
 cttgcttcag aggacatgga aggagaactg gtgagaggag aagaaagtct gttcgtgggt 300
 gcattgtgag cctgatctc tctgttctga acctgtcat tgtgaagaan ggtgagaacg 360
 atnttcctgg gcctaacgnt actgngaann cnngaattng aagggccan nganaccccc 420

nna

423

<210> 14290
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F7

<400> 14290

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aactgcatag caccaaggcc tgaagaagat ggtggagtca tggttcaagg tttgccagat 180
atgtcagaca cgcagagcaa gtctgtacna gccttcctta cgattacttc acaacctggt 240
ctccagatgt ctatgtatcc cataactctc aagtttgagg aggttggtga caagggttaag 300
atagagcaga caagtcagtg tatgggatca tggaaaagca aagagaagac attttgaatg 360
ggataacggg aatgggttgt cccggagaat tctaaccatg ttangtccat cangnanttg 420
naaaaccacn cct 433

<210> 14291
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G1

<400> 14291

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tgacactggc gaagaacaaa gtttgaacct tttcttcac catctctctc cgtcgcttct 120
tcctaacgat tccttcactc gaatcagggt tgtgaagggt tttttctang gtttcgaaaa 180
gatgccggcg acagcaggaa gagtgcgat gcccgcaaac aatcgggtgc atagtagtgc 240
agcgcttcag actcatggaa tatggcagag tgcgattggt tatgatcctt atgcaccaac 300
tagtaaagaa gagcctaaga cgacacaaca gaaaaccgaa gatcccgaga actcgtagcg 360
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gggtcctgta anaaatgtgg cnttttgggc aattnacctt tcaatgtang gaattctgag 480
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<210> 14292
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G12
 <400> 14292

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 gcaaatgaaa ggtgctgctg tgagtatact cgaattgtat ttcccatggg gaataaagga 180
 taagaaagtg ttgtgtcttc atttcaatag ataaaacaat ctaaacaagg cgtattctgt 240
 tgttcggctt cgaaagggtt cagctttggg gatttctcgt gttcttcaag ctgataaagg 300
 aagtttgagg cggtttcact ttgaacctga gtttggtgac cttttgagat taagtgtctt 360
 gactangaat tatagaaaga actcctggat ccccaaagtt tgattcactg gnactggaac 420
 aact 424

<210> 14293
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G2
 <400> 14293

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 gtccaagttt tattnttttt atgcattcta aggagaagag gtgatcgaaa ccaaccacac 120
 gggaggagct tatgccattt tcttccccgt ggaagggtcta acaatcacac gtctcctaata 180
 ctctgtacgtc ttcttagggt ttgaagaatg gaaaatttaa ggagggtgtc aaacccggga 240
 aatttcggat tcattggaag atcacaatca cgagttcccc aaaaaaacat ggaaaataac 300
 atttctctc ctaataatat gcaccacat agtgcttctt tagatgatct tttcacagaa 360

gaccaaccag cttggctcga tgagctccta agtgagccag catcacctaa gantaacaaa 420
 agncataaac gttcaaccta gtgacacaac tggctanatn naaccaacct ttaaagcctn 480
 caaagggaaa cncntntccn ggttcccnct ggaaat 516

<210> 14294
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G3
 <400> 14294

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 cggacncgtc cgcccacgcg tccggagaaa attagcgagg aggtagctca cccggaaaact 120
 ctctccagt tctgtgtcga ggtctccaaa gagatcgacg aacatctctt ggccgaggaa 180
 gaggaggtga agacaccaga gacgcctagt ttgggtgggaa agctagagac agacgtggag 240
 atcaaagctt ccgctgagaa gttccatcac atgttcgccg ggaaaccaca ccatgtctct 300
 aaagcatctc caggaaacat tcaaggttgt gatcttcacg aaggcgactg gggtaagtc 360
 ggctctatcg tctttctggaa ctacgttcat gatagagagg caaangtggc taangagang 420
 attganggaa tttgancna ataaaaactn atnaccttta agggttccca gggatntggg 480
 ntaaaagnnt aaaagacctt ct 502

<210> 14295
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G4
 <400> 14295

aacnccangc tngncggtgc ccaggcancn ggtcaacggg ncgacgcacg cgcccnaccg 60
 ccnatatcaa gangggtaaa cctnccccct cntgcaaact ttaactcctc gggtttccccg 120
 cntgggtggg nccaatgatt ctgcccaagg aacaatcttt taataagtac acatatatgt 180
 tgtccttant gggaaatatg atcggctaac atatttgta ttgttattaa caaaaaaaat 240

aacatttgtt attgttcacc ggagttgata gtagcaatag tacatattac atgggtcatat 300
atgcatatgg ctacatgttt gagttatatt cgattatctg gtgaaagatg agattgtgag 360
tttgtaagtt tttgacagtg tagaggagga ttcaaaagaa aagaagaaaa aatggactat 420
atgtatggac canggagaca ccantgttt gttcaagacc agtgtaaaaa nccngaaccc 480
ggaaacccgg ggcnaanacc gggaaaaanc g 511

<210> 14296
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G6

<400> 14296
tctctcaaaa aatcccataa ctttcccaac gaaaaatggt ccgatcaatg attgttcgat 60
ctgcttcccc agtgaagcag ggtctttctcc gcagaggatt cgcctctgaa tctgttcccg 120
atcgcaaagt cgtcatcctc ggtgccgccc gtgggatcgg ncagccactt tctcttctca 180
tgaagcttaa cctctcgtc tttctctctc cctctatgat atcgccaaca ctcccgccgt 240
tgctgctgac gtcggtcaca tcaacacccg atctcagggt tctgggtaca tgggtgatga 300
tgatttgggg aaagctctag aaggcgtga cctcgtcatt attccaactg gtgtcccaag 360
gaaacctggn aatgaaccgt gaagatTTTT tnaanaacaa agnngggaat ttnnnaaaac 420
ccna 425

<210> 14297
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G7

<400> 14297
atttacttga catttccagc tgnacagctc ttcacagatg angatgtctc caattatTTT 60
ggcaattttg gaccagtgcg agatgttagg attccatacc agcatcaaac ggatgtttgg 120
gtttgtcact tttctccant ctgaaactgt gagaatcata ttggccagag gaaatccnca 180

gcattgtcaa gggcaaatct cgtcttggag cggttgttca ccaaaagact gcttctgct 420
 tgtgtttgac cactgtcaag aacgaagacn ancttaattn acanaatccn cggaanttt 480
 cagggcaatt ta 492

<210> 14300
 <211> 262
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H10
 <400> 14300

agtgtntagt tgaatcattt cgatcaangt ttagagagtg anaaancatg gnatcancct 60
 ttaccgcaac gtcgtcaatg ggttcatctt tggctccncc ttcgaatcna ttgtcatcgt 120
 ttgtttcgat ctcatcaagc tcttttggaa ggactcagag tattgctcag aggaaagcaa 180
 ggtttcctaa antatatgcg gttaagcaat tgcatttcaa taaggacggg actgcnatta 240
 agaancctca agctgggtgtg na 262

<210> 14301
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H11
 <400> 14301

gcagctcccc ttttcttatt cggaaccaa aaacttccgg tgataaaacc tccttcgtca 60
 tctctctact tcttggataa aatggcgtca actttcactg ccacatcttc tattggttca 120
 atggttgctc cgaatggtca caaatctgat aagaaactta tcagcaagtt gtcttcaagc 180
 tcatttggaa ggagacaaag tgtgtgtcct agaccagaa gatccagttc tgcaattgtg 240
 tgccgcagca aggaattaca tttcaacaaa gatgggacta ccattaggag acttcaagct 300
 ggtgtcaaca agctcgcaga tcttgttggg gttacacttg gacccaaagg acgaaatgtt 360
 gttcttgaga acaagtatgg atnaccacga anttgtaat gatggngtaa cggttgcaaa 420
 a 421

<210> 14302
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H2

<400> 14302

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 cacgtgggcg gacgcgtggg ctctcctccc taaaacgcgt ttccgtgaca ccgccgttat 120
 cctcatgctc atccatcagt ttataacgtt cgggtttgcy tgtacaccat tgtacttcgt 180
 atgggaaaaa gcgatcgga tgcaccacac aaagagctta tgtctaanag cgctggtgag 240
 gctaccgggtg gtgggttcga tatgggtttt ggcaatcatc tttccctttt tcgggccaat 300
 aaactcggca gttggagcct tactgttacc ttcaacgtct anatcatccc tgccttaagc 360
 cacatgctca cgtancgcaa cgcctctgcc cgcngggaan ccgcnggana aaacaaccgt 420
 ttttaaccct aanctggggg ngagggtttac ntgnгааacc ctttnaaaaa ggggtttgggg 480
 ccaaanttcc 490

<210> 14303
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H4

<400> 14303

ttctacgctn cncgggtgccc aggnanaggt canaggggtc ccgggncgan ccaancatgc 60
 aanagagatg agcgcgacgg agctgccgac gaaggaggca cacatactta aaggccacga 120
 gggggcggtt ttagcggcga ggtttaacgg tgacggaaac tacgctctca cctgtggcaa 180
 ggatcgaact atccgcctct ggaacccgca ccgtggaatc ttaatcaaga cctacaaatc 240
 tcatggccgc gaagtccgcy acgttcatgt tacttcagac aatgccaaat tttgctcatg 300
 tgggtggtgat cggcaagttt actactggga tgtttcaact ggacgtgtaa tccgtaaatt 360
 ccgtggtcat gatggagagg tcaatgcagt gaagttcaat gatttntcnt cngtggntgt 420

atcaactggg ttccattnnt ccnaanttt tttggaactg cngattacca angtnnttgc 480
ccnttanat tttcntgga 499

<210> 14304
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F4

<400> 14304

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acctttgaga anaangatgg ttacgtcgcc ttcacaagcc atcctcttca tgttgaattc 120
tcaagccgct ttcaccgccc tcacgcgaaa gatcggttctc ctcgatttcc ccgtcgccgc 180
tgtcaaattc tccgttggtg caacaccatg aatcttgtga tggttacata tcgtcatatg 240
actcatatcg aacttggttc ntaatttnna acnaanttnn agtttttggg gna 293

<210> 14305
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E10

<400> 14305

nnngggnnnn ngaantgtct cgcctnntcg tagccgtcca gaattcaagg gtcnaccac 60
gcgtccggac aagctcagat gataaccgag gtttctggtc gattatccga gcttaaaacc 120
acgatagatg ctgggttagg tcagcgtaac attcttttgc agaccattgg agataagttt 180
gaactatgga acctcaaggt acgcaaagag aaagctatct atcatacatt gaacatgctt 240
agtcttgatg tgacgaagaa gtgcctcgtg gccgagggtt ggagtcctgt ctttgcattc 300
agagaaattc aagatgcatt acagcgtgcc gccgttgact ccaattctca agttggatca 360
attttccagg tctaagaac caaagagtcg ccaccaactt attttgcac aaacaaattt 420
acttctgcaa tccaggaaat tgttgatgcg tatgggtgtg ncaagtatca aggaaccaat 480
ccaagtgtat caacaatggt tacc 504

<210> 14306
 <211> 551
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E2

 <400> 14306

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 gcncgaangc ccacgccgtt cngagccgaa aaacttttat tccggtttng cttttgaagc 120
 ctnccgaaan anntgggaaa acaanaaatn gganggaaag aaagaagcaa cgaaggttta 180
 acgggtnggg agaaatcccc tggaaagtcc ggcgatacgg gatgttcccc attcgggata 240
 tcgatatgtc tgcaagccga tgaggacgcc gttacggagc ttgctgagat gaagaggaga 300
 ttaaaggaga tggaggaaga agctgctgcg ctacgagaga tgcaagcaaa agtcgaaaaa 360
 gaaatgggag ctactcaaga tcctgctagt atggctgcaa atcaagaaag gaaagganga 420
 ngtggatgct cgattcagtt tatgttggca atgggttggt ctcataaatg aagttcttaa 480
 tanctctggg ttctcaacta agttttgtga ctgttttgct agtttcctt gttgtaatgt 540
 tnaaatccat t 551

<210> 14307
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E3

 <400> 14307

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 gcgttcnact ttaacntant ctnatanttt cccggtcacc aaattcgact ctctccctaa 120
 ttccagtnac ccatcaattt ctcaaccgt cttcttcggt tcccgctctg ttatcagtct 180
 catctccgaa gaataccgc catcttcgtc tctcatcac ctccgctttg aatccacaga 240
 cgggacagcc gacgaagaag gcctccaccg gtagtgataa gagtagtacg aacaagaaac 300
 gtaagaaaaa ggggaaaatt gcgaaacctg tggaggattg ggaattgaga gattcagaag 360

acgcttttga ggaagatgat gatgccgatt antctttcttc ntcgagttct ctagcaactt 420
 ttaactctcc tcctaccata nncaaaccan ctgctggggtt tgtgattaat gaaactggta 480
 aggttcctaa gggctccna 499

<210> 14308
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E4
 <400> 14308

gccaaactcca agctccgccc gcaacagtgt cngcacagat gaattgacca accttcccc 60
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 atcggagtca aatgaagcta ttgacactga gaatgggttca agatccgtag acaagancca 180
 atactctgaa actgaagttg tagttagagc acaagattta cagacagaan ctgattcact 240
 ggatgatgat gtggagattg tgatcaaaaa ccaacataag tattacatat actgcccttg 300
 ctgtggtgaa gatatcacca aaacagtcaa gctcgtgaag atatcagatt ccaaacacac 360
 aanagaccat gacaaagctg ttgacagtna cactgagaat nggttaaaat cccaanga 418

<210> 14309
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E8
 <400> 14309

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 gatctgacgt cgatatttct cgtgaagcaa acacaattag agataccatt gacatgacag 120
 aaaacgggtgg tgaaactaag atgtctgaat tgtttcagag acgatacgca tatccggtta 180
 ttatcggagt tggtttaagt tttttgcaac aattgtgtgg gagctccggt gttacctatt 240
 atgctagtag cctcttcaac aaaggaggat ttccaagtgc tattggcaca tccgtaatag 300
 ccacaattat ggttccaaaa gcaatgctgg caacagtcct agtcgataaa atgggggagga 360

gaacgctcct aatggcttcc tgttccgcaa tgggtttgaa tgccttgenc ctnaatgggt 420

<210> 14310
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-114-Q1-E1-E9
 <400> 14310

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 gactgttaca gtcttgga ggggtttgatg cctgcaagtt ttaaagtaag aactgtggcg 120
 cttgatgaga acactacgga agaggttttg gatccggatt ttgggtgaatc agctattgggt 180
 cgtgttgctc ctgtggattc tgggtttgtgg tggattattc tcttgagggc atatggaaag 240
 ataactggag aatttcccggt tacaagaga ggatagatgt tcaagacagg gataaagctt 300
 atcatgaact tgtgttttagc acatggattt gatatgtttc caacactttt ggctactgat 360
 gggtcttgta tgattgatcg tcgtatgggt atccatgggc aacctctcga aatccaatcc 420
 gtaatccaac caa 433

<210> 14311
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F1
 <400> 14311

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 ccgccaanc gtccggaagt ttttcagatt actcaaagac caaatttgca atcgcagaaa 120
 gttcctgaag cattagattt tctcacctt aacgaaaggc tcttcggttg tatatctgat 180
 caatcatatg aagttcgtct tgcaacactg aagtggtttc tgcgggtttt gaagtcagaa 240
 gattccagtt tctcagagtc gagcagtatt tggaactggg caaaaaacgg tctccaggtg 300
 atattattag agctgttgga caaggagaaa aaccataaat gtgagaacta cattttaagg 360
 attcttttcc agtggaatct tcttatgttc aaaaaatcat gtaacaagga atctgttgaa 420

ggcattttacg ttgggttcggt gaactatgat tcggtgtttc anccttgagg caagctgact 480
 ccccaaa 487

<210> 14312
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F11
 <400> 14312

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 gtgaaagatg tattcggggtc aagaacaaga tncacaaggn taanggtggt gcaccaacag 120
 agtttgaaga gcaagttact cangctttgt ttgacttggn gaacaccaac caaggagttn 180
 aaaagccaat tgaaagatnc ccaaaataaa caaagctggt tcaagatgga taattcctgg 240
 gcaaccgcaa aancctgttg gtgattctac gttncattc aaggctgaag gaaagctttc 300
 cgcaagattc atcttcgtct gggtcagaga gcttgagaag aagttcagt gaaaagatgt 360
 gatctttggt gctaccagaa gaatcatgcg cccaacaaag aaaggccaac tgttcaaaga 420
 ccancecaca anantcctaa tttntgcna 449

<210> 14313
 <211> 90
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F2
 <400> 14313

cgcgctattc acttcgggta cancacagc gctccanacc gtcgttcttg aagagctgat 60
 aangatctgg tcgtcactgg ggaaaanggg 90

<210> 14314
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F3

<400> 14314
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aatcaantgg gatatcaatc aagatggggg gtccttgga tcaaaccgc angtaaaaga 120
tttcaagaga gaaatacaat ttaccggcat gcctcaancg ccaaaaggac tttgccaac 180
tttcatttg gaactgaang ggagnatgct aaaatcctta tccaaaaagc caaaactggt 240
tgggtttgga agcttttacc ggggaaagat gggcggtctt ttataactca aactgggaaa 300
aagcacataa ggctcctaac tccggcggtc aagnccttc caaacgntg ccctttaaat 360
aaggggcaaac ggnnttcaacn ttaaccgant aaact 395

<210> 14315
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-114-Q1-E1-F5

<400> 14315
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tttcattttc atgggtggtga tgacgaacaa attcttcgaa ttaatcggcg gagctccgtc 120
gtattcttca gtatccgctg ctgttaaagg atccgctggg gacgccgtag gaggaactgc 180
tagtcgctgt gctcttcggt ggacaatcga aaatttcctt cctaaaaatcg atagattagt 240
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aatagaggaa ttggatgaga gtgttggtgc tatgtataaa cgagatttga gaaaagaatt 360
tgaacaagtt ttgtttcgt ttaagaagat ttgcaaatcc aacaaagttg g 411

<210> 14316
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F6

<400> 14316
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atttgttcaa atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt 120
 ctggagctaa nttcnatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180
 aaggcgaagt cacaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa 240
 gcaaatactt gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcaacan 300
 gaacagtcac tgctttctac atgtcttcag atgggtccgaa ccacaacgaa ttccaatttg 360
 agttcctaag gaacnataac ngccaancct aaatattcaa aacaatatch antt 414

<210> 14317
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F7

 <400> 14317

tcaangttat ggtagtgata ataagaagag gttggagcgc aagtattcga aaatttctga 60
 tgattactct tctttggagc aggtgacgga ggctcttgca cgggcgggtc tagaatcttc 120
 aaatctcatc gttggnattg atttcaactaa gagtaacgaa tggacagggg ccaggtcctt 180
 caataggaaa agcttacact tcataggcag tagtcccaat ccttatgaac aagcgataac 240
 tatcatagga agaaccttag ccgcctttga cgaggacaac ttgattccat gttatggttt 300
 tggagatgca tcaacacatg atcaagacgt gttcagtttc aattcaaaag gatagattct 360
 gttatggant ttgaggaaat actttcccgat ataaaggaat tcnngcccaa cttaagct 418

<210> 14318
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F8

 <400> 14318

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 ttgaagatcc accaaccgct tcttcaagcg aagacgtcga cgaagagatt tcatcaggag 120
 aagatgaaaa agaacatata tccaattctt cttcttctga agaagaaaac gaactcaaag 180

6955

atctctccac tcaaacccta aattctcctt ccaccgaggc tccaactctc gattctggat 240
 ctgagacaaa ttccgactca gataagccaa tcgtcttaac cagtcagaag aagaaagaag 300
 gtactgattc atcagggacg aagcgagcta gtgaaggaac tagctcaaag gacatcaaaa 360
 gagctaagaa agtttcaagg agatgacgaa taccaaaaat ttaaganttt anggct 416

<210> 14319
 <211> 51
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F9
 <400> 14319

atgcattttc gatgacctt gggaacnnag atggttacct cgccttcaca a 51

<210> 14320
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E1
 <400> 14320

ggttataaca gcgaaatcgt cactgctctt gtgttcaaga ctagtaaggg tacaacctca 60
 ccgccttttg gaatgggtgac tgagaagaaa ttcgaaactta aagatggtaa cggaggaaaa 120
 cttgccggat tccatgggaa agctagtgat gttctttatg ctcttggtgc ctatttcgct 180
 ccatcgacaa cttcgactac tccatctact accaagaagc tacaagcaag aggtggtaat 240
 ggaggagctt cttgggatga tgggtgtttt gatgggtgta gaaagatact tgttgggtcaa 300
 ggaaacgatg gtgtagcttt tgtcacgttt gagtacaaca aaggctctca agcaatcctc 360
 ggtgatggtc atgggaagaa aacattactt ggnactgaaa cgtttganct tgattaancc 420
 a 421

<210> 14321
 <211> 274
 <212> DNA
 <213> Arabidopsis thaliana

<210> 14324
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-C4

<400> 14324

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ntgggggtttt ccttggttctc caagccagat ctctctccat aaatctctct tcattctctct 120
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gcttccagat ctgttccnat ggtcggagaa gcttcttagg gctgggatga acgttgctcg 300
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 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14325

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cancgtaagc tcgttcaggt atctctctcc gctgattcct ccggtggcgt tcagtcttcg 180
ntttctcttg tctccctac ctccgccgta ttccaggtaa ttgttggtgg tgggtggtgg 240
ggaggattct ctgctggagg agctgcctca agtggagggtg gtgcgggtga agctgcanct 300
gcccctaagg aagatgagaa naanaaagaa gaatcatgaa naagaanaan gagacttcgg 360
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422

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<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14326

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<210> 14327
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14327

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ttctttcttcg tcagaagcta aaacctttca aaaccctaatt ttcattctatc tatctcaata 180
agtctagatc aaaaattcga atttcaaaat cccgttttga gttttaagta gattcgggtt 240
ctgggttttc gtagaaacgg gattaagggtc ggattcaaga tcttgaaatt tttgtgtgtt 300
tctcaaactg attataaatt ttgggtttttt ttttttttaa tttcgtgttt gaaaaatagg 360
gaaaatttcc ngggttcttc tganaaattc gaattttttg gagatgggag aagggtgaaga 420
aggagacaaa ttcccgccta aaacggatga ngttacacaa gagtctatga agtccgngaa 480
gnaactcnaa tttantgggg g 501

<210> 14328
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<223> Clone ID: LIB25-114-Q1-E1-D4

<400> 14330

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gaaaacactt ctgctccggt atcgatctca attcctctc ttcaatctcg acagaatcct 180
cctccggtaa cganagagga cgatctagcg agcagctacg ccgtaagatc aagtcnatgc 240
aagcggngat tanagcnatt gaacaatgcc ggaaacctgt aatcgnggct attca 295

<210> 14331

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-D5

<400> 14331

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aaagtctgac ctcggaactg agacgttcaa agagaagcat agtacgctaa aggaggcggt 180
gaaggaagct tttatgtctt ccaaagcgaa tccgatagag aacatcaaatt tcacgatgc 240
tctatgtcgc cttgggtgtct cctatcactt tgagaaagat atcgtagaac aattggataa 300
gtcatttgat tgtcttgatt ttctcagat ggtaagacaa gagggatgcg atttgtacac 360
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<210> 14332

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-114-Q1-E1-D6

<400> 14332

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cggatgcaca ttccctgaga ttctctccaa gaacgggtgtt aaattcggag aagccgtgtg 180

gttcaaggna ggttctcaga ttttctcaga aggaggtctt gattacctcg gaaaccctaa 240
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 cattgaatgc tanacaatcg gaggtggacc tctcgkanaa gggcttgacc cgctttaccc 360
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<210> 14333
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 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14333

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 gttcctcagg atgcttccag gaatgctcca ccaaattcct cgtatctacg actggaccgt 180
 cgaggtgctt gaggcgacca atctaacttt ttattttcaa gggccatggc ttantggaac 240
 ggacatgttg ttcaccgccc atccaaggaa tattcatcac atactaagct caaactttgg 300
 gaattaccct aaaggacctg agttcaagaa gatctttgat gttttgggag aaggaatctt 360
 aaccgttgat tttganttgt gggaaggaga anaagaaatt aaatcaacnc cccaatccaa 420
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<210> 14334
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 <212> DNA
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 <400> 14334

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 caatagatctt gagtcgacca tccccgagac aattggtaaa tcaacagctt ccgttgtaac 180
 cttcgcacac aataaattta gcggttgcat cccaaaaacc attggccaga tgaagaacct 240

cttccgtggt gtatgttgaa gatgtggtgg atagctctcg agcgacatgt gttgagaatg 240
 gtggtgatga cgatgacagt ggctatgatt atgctcctgc tgcgtgattg tctcctatta 300
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<210> 14339.
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14339

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 tccctatcct cegtctcagt tctcggcgca tctcaccacc acgcaacggn gccggctccg 180
 tctgtagact gttcgactct cataactcaac atggctgact gtttatectt cgtttcgagc 240
 ggaggcacgg tggcgaaacc ggaaggtaca tgttgctctg gtcttaagac ggtgcttaaa 300
 gctgactctc agtgtctatg tgaagcggtt angagcagtg cttctcttgg agttactttg 360
 aatatcacta aggcttctac tcttcccgcc gcatgcaagc ttcacgctcc ttctatcgct 420
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<210> 14340
 <211> 508
 <212> DNA
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 <223> Clone ID: LIB25-113-Q1-E1-G9
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 ttttctcata gtatcgtctc ttgtttcgag ttctcttgcc accgctccgc ccaacacatc 180
 tatatatgaa agctttctcc aatgtttcag caatcaaaca ggtgctctc ctgagaagtt 240
 atgcgacgtc gttctgcctc aaagcagtg cagcttcaact ccaaccctac gtgcctacat 300

tgctcagagt ccgaagcaga gatggattgg agagagtgag tgtagatgga cctcatatca 300
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 ccttatccac caatagaaac cttctcctcg ctaagagccc ttctgatttc ctaangttca 420
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<210> 14347
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
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 ttttacctat antgtttccc gctttggaga aaaanggtag cagcnattgg aatcaggctg 180
 tgaaganctt gacagacaat gttctcaagg ttttgtccga tncaaactct gattttattcg 240
 aagaatgttt gcacaagttc caagaagatc agcaatnngc agaagatact aaaaagaaga 300
 atggagaaac ctggagacag ctagaggaga ttgttgcttc aatggcgaag taagagtttt 360
 ttctgcactt tacgtgattc aacaagaaat cggtttattg ttttgttttg tttcctttac 420
 gcctgaaagg tatatacatt tactttgcct tgccctggctc natttaattt ccgggggttn 480
 gnttttaaga ctantttaa 499

<210> 14348
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
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agaagaagag caagagnaaa gataagacgc cgaagaaaga gangaacct gaagataaga 180
aagatccaga gaagttgaag atgaagcttc agaagattga agaaaagatt caagctatgg 240
tcttaaagaa aagatgagat tgtgaagctt attcatgatg ctgaacaagc taagcctagt 300
actgctgcag tagatgcacc accaccaact aactaattca aatacacaaa ttatatacta 360
caataagtta actaatatat tttgtcaata acaaagtctg ctgaatgtta tttcagcgta 420
nctgggaana ggcctttgtt ttgttttgt 449

<210> 14349
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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cgcgtcangc catgactgga gacggagtca atgatgctcc tgctctgaag ttggctgata 120
ttggtgtggc tatgggcatt tccggcacag aggtagcaaa ggaggcatct gacatggttt 180
tggcagatga taatttcagc accattgttg cagctgtagg tgaaggcagg tccatctata 240
acaacatgaa ggccttcate aggtacatga tctcttccaa catcggcgag gttgcatcga 300
tatttttgac agctgctctt ggaatcccag aaggcatgat cccggttcag cttctgtggg 360
taaatctcgt aacagacggt cctccageta ctgctttggg gttcaacccc cctgacaaag 420
atattatgaa aaagcctcct cntaaganeg atgactcccc taacaatgcc tggattctcc 480
ttccgcaaaa ng 492

<210> 14350
<211> 494
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-113-Q1-E1-G10
<400> 14350

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gatacaaaca ttggaagct cgtctcaac agtcatggc atatcatagg cacagaatat 360
 atatctgac tgttgaaaag gggcatgagc atggccactc acctcacaag catgatggca 420
 aagaaga 427

<210> 14355
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 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14355

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 cttccgatct acctccatca ccaactggac aactcgtgt ccaactttcc gattccgatc 180
 tccgtctcac tgcttacgag atcttcgtcg ccgcatgtcg tagcgccacc ggtaaacctc 240
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 cgccggcgat tcaacgttct ctgacctcaa ccgccgctag taaaatgaag aaagctttgg 360
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 ttca 424

<210> 14356
 <211> 396
 <212> DNA
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 gaaggattcg caggcaatcg cgagagctt ttcgtctctc tttgtttccc tccgatcaac 180
 tctttctgag gctactggta gctcggttga tcacatggct tgctttggag aggcagcggg 240
 acggcttcag gaaaatgctc tagatgcagc caccaaaggg aaccggtaca tcaactcttg 300

agaaaaggag ctatatcagt ttctggatct tcagcttcag agtgacttga atgaagaaag 420
 gatgaggcac tatgaggtgg ttactttgat tcatgaaaaa catgctgagg aggttgaaag 480
 cattaaccag aaagtaca 498

<210> 14359
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-112-Q1-E1-G10
 <400> 14359

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 tgaatttggc gttcacgctc gtcccgctcg tctcgctctc tcaaatacgc atctcaatag 180
 cggcgggcat gataacggag tcggagagtc ctctgacttc gatgagtttg gagaatccga 240
 acctaagtcc gaagaggagc ttgatcccggt ttcattggcg tcgatcttcg agccagatga 300
 ctcaacagtc caancagcct cgccgcagta ctactccggn ctcaaaaaga ttctatcggc 360
 ggccaattga gggaaatttc aggttgatgg aagaancagt ggatganata gaggctgctt 420
 cctcagctgg ga 432

<210> 14360
 <211> 226
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-112-Q1-E1-G11
 <400> 14360

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 aattctttca ncatcaattc gctaactttg tttttttggg gttaaatcga ttaatcgtaa 180
 ttttattaga tactgtcnat cggagctaan caacnctenc ttaaca 226

<210> 14361

<211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-112-Q1-E1-G12

 <400> 14361

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 tcttcaggtc caatctcttc ttctatttgt tttttaatta aaaaaatccg gcgaaagggtg 180
 aagctcttgg attcgagtgg tggctagtaa tcgatttcgg tagtttagaa gtagtttata 240
 ggttttatca gctttcgatt tgatggagcc gcgagtcgga aacaagtttc ggctcggaag 300
 gaagatcggc ggtggatcat tcggagagat ctatcttggg accaatatcc agacgaatga 360
 agaagtggct aataaacttg aaaatgtgaa aactaagcat cctcaagttg ctgtatgaat 420
 caaagttgta 430

<210> 14362
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14362

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 gtgaaaacat tcaacgaagc tctggatacc acgcagacag tcatttggaa tggaccaatg 180
 ggagttttcg agtttgaaaa gtttgcaaaa ggaactgagg cggtagcgaa taaactagca 240
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 gagaaaaggg gagtagcagg agtcatgagt cacatctcca caggtggtgg tgccagtttg 360
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 actgtttaac a 431

<210> 14363
 <211> 428

<212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-112-Q1-E1-G3
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 tcttcagttt ctgggggaaat taggtgggga ggtgaaaaag ggggaaatat aattgaaatt 180
 ggggttctctc tgctgtgcaa taataatttc tgagaggatt gtgaagaagc gcttttatgt 240
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 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
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 cctttcactc ttgcttcaaa cgactttcac gaaaacaatt ccattcagag ttcttcatca 240
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<210> 14365
 <211> 427

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-G7
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 agttggcaat ctctcttcag gagcaactga gcatgatatt aaagagtttt tctctttctc 180
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 agaaactcaa nggagcaaag actggcgtgc tcctaaccng ganccaatta ttgccgttaa 300
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 <210> 14367
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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cgangaagag gccggagcta acgaggatga ngacaccgga gctcangtcg ctccgatcgt 180
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gaaatcgaag ctttatcgat tcgataagga tgccaatcag tggaggaga gangagctgg 300
tactgtgaag ttcttaaagc ataagaacac tgggaagatt cgtctcgta tgaagcaatc 360
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cgttgggaat gaa 433

<210> 14368
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14368

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gtttcgtctt tcagaagcca gttactctaa aagaaggaga gaaccactta accatgctag 180
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gtagtgtttc catcttangt ttgggctctg gaacacttga tctcactgaa gaaaacaaat 300
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<210> 14369
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D2

gtatttggt t

431

<210> 14372
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-D7

<400> 14372

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aggccatgtc tgcattgagt gctagtaaag gcgtcaaadc agcggatgct gggagtatga 180
agatgaccat gttgtcgatg ggaaagactt tggttgagca gaagaagaat acaaagataa 240
tgacattgaa ggaaaagaaa gagttgggtca tagatatggt gaaatggact aaaatgggtcg 300
ctacatttgt gaagtcggcc tccgagcaga aaggaaagtc tatcaatata gcatcttatg 360
gtcttgatgt cgatgttaac gatagttcta ttgtcgggtg agctgcaagt agtgaatcat 420
cctccactaa atctggatct gtttccagta ncggaagtgt ttctaccaag tcnaaagaat 480
cgagtagtag tggaa 495

<210> 14373
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D8

<400> 14373

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ctggattgtc cattatagca gccctctcta tgatatttct atttggaatg gagttgaata 180
attatttggc tgtcagcact tccacatcgg tcattgttga caggagcgt gacggagact 240
tcttgcgctt agattttaat ataagcttcc cgtcactttc atgtgaattc gcatctgtgg 300
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<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E10

 <400> 14376

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 tcttctctcg ctctctgttt ctgaggttct gcaagaagta aancatgtca gttcttattg 180
 tgacgagcct tggatgatata gtaattgacc ttcactcgga taaatgccct ttgacttgca 240
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 aaaaggattt cacagcacan actggtgatc caactggtac gggagctggt ggagattcaa 360
 tctacaaatt tctgtacngt gagcangctc gtttttacia agatgagatt catcttgatt 420
 taaaacattc anagaccggc actgttgcaa tggccaatgg tggagagaac tcantgcttc 480
 ccagttctat ttcacact 498

<210> 14377
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E11

 <400> 14377

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 gaatttcacg aaaggccgca gaactgaact agtacaggct tctgcctct acttgacgtg 180
 cagggaattg aacattgcgt tgcttcttat tgatttctca agctaccttc gagttagcgt 240
 ttatgagtta gggtctgtat acttacaact ctgtgaaatg ctgtaccttg tggaaaatcg 300
 gaattatgaa aagcttggtg atccttcaat tttcatggat cgattctcaa acagcttatt 360
 gaaaggaaaa aataataaag atgttggtggc aacagctaga gacattatan ctagtatgaa 420
 gagagat 427

<210> 14378
 <211> 54
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E4

 <400> 14378

ttaattcatc gaattattca tgaattttcg gtgttatcgc gtcattctnnt ggat 54

<210> 14379
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E6

 <400> 14379

ggctctcaaa ttcatactac ttggcaagct tgctcgattt ccctcgtaca gccaaattgt 60
 gctatgggaa tcaaaattaa cagtcgcaga agccagtaat aatggagtcg ttgcttcgag 120
 ctgatcaaac cctaattccg ggagcgatgt gtagccgcag agtttggaca cactcagaac 180
 tggctcttcc ctcaagtgcg gtaactgaat tggatctggg gaaaagtcta ttacaagctt 240
 tgcaaagtcc gtcaatccct tccttttctg ggaaccaaac tggacaaact ttccgcgcca 300
 aaaatcatat aagcgtcccc caatttgtcc caatcnaacc ntcangttcc ttcccnctg 360
 ggnttccgga atccccgtan aatggtttgn aaaccc 396

<210> 14380
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E8

 <400> 14380

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 tgagaaagct ggtggagagt gcttaacctt tgaccanctt gctctcagag ctccattggg 180

acagaacaca gttcttctta gaggaccaaa gaactcgcgt gaagcaatga agcatttcgg 240
acctgctcct ggtgtgccac acagtaacac taanccatat gttaggcata anggaaagaa 300
gtttgagaaa gctanangaa agcnaaaaaga atccttggat tcaangtcca aaaagatggt 360
ttcctggggt ctttttgcct ggggttaagta accaagtttt gggtaaggaa anccgggtcc 420
tccttaaccn gttncagact tggtttaaata tccgggtttt caatcccaaa gacaattggg 480
taaaaaaaaaa 490

<210> 14381
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C3
<400> 14381

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gaacaacgaa gtccttttgc cgcaaacgaa actgggttgc ctgcagctaa caacagatca 180
cagcacaagc atcgaggatg aagtaacaag aataaaaaac gagcaccccg atgacaacca 240
ttgcatagtg aatgacaggg tgaaaggacg gcttaagggtg accagagcgt ttggagcggg 300
attcttaaag cagccaaaat tgaacgatgc tttgctggaa atgtttcgaa acgaatacat 360
tggtagcgat ccatacatat catgcacacc ttcccttcgt cactaccggc taacagagaa 420
tgatcagttt atggttctct catcggtatg attgtacca tacttgagca atgtggaa 478

<210> 14382
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H1
<400> 14382

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ttagttctat tcatTTTTcc ctctctcttt tgcaaagatt tggtagaaga agaaaaataa 180
 aaagagttat aatcaatcag atcttgTTTT aaagtgcaga ctctttattc tctccctcac 240
 ctaaggcttc agaaccgtaa ntttaaaacn aaaancgaan caatnccngg agaataggaa 300
 agaaataatt gatggttcaa gtgaagacaa nnaaaaaaaaa gcgaagactt acatccgggt 360
 catcganttg agaaagtctc ttattgtaac tcaagttccg caatgggtag gnacaaa 417

<210> 14383
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-H10
 <400> 14383

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 aagattctca aactcctaaa acttcatctt aaaaacttaa caaacaaaat tctaattacg 180
 aaaaatccca atcctagtgt ttctcttggt ggcttttttg tttgatctgt ctgtaatttt 240
 ttttttggtt gatctgtggt ttgttttgta aaaattccac tcgtcagcac tcagattaat 300
 ctcttggtcca ttgatctatc tatcgacttg cttcgacttt tgatttgaga ttgcgaaaa 360
 ttaagggttt tgtttcgaaa ttagtggttg tgtcanctaa atgaacgatt aatctaagct 420
 ggatgaatcc cgccaactcc aanagcaaaa tggattgggg caagcctcca acggcaacag 480
 aagggatgaa tcccgccggc cggccgtnaa a 511

<210> 14384
 <211> 545
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-H3
 <400> 14384

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gttatctgat aagaaagagg agaagaagat gaagaagaag atggctttgg ataccccaga 180
gcttgattct aagaagggga agaaggagca gaagctgaaa ctatctgatt cggatgaaga 240
agagtcggag aagaagaaga gtaagaagaa ggataagaag cgtaaggctt ccganggagg 300
aggatgaagt gaagaagcga tcaagctccg gagaaagaaa gaaagaagca agcaaagaan 360
ggttaaagtt tgggccgttt gaagggattg tttgaaagtt tgataanccc taatgcctgt 420
ttcctaaagt tttccgatt ttctgccgcc ctttgaaggg gaaaaagcct taaaggcnaa 480
atnggtaatt gaaagctcct ttttcccgaa ttcaaggctt ccaacgtttt gataatgggt 540
tcenc 545

<210> 14385
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H4
<400> 14385

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ctcgctcca cggtggcgtt ggtgagcgcc ggtgaccctt acttctacta cacgtggaac 240
gtaacctacg gaaccgcgcg gcctctcgga attcctcaac aggtgattct catcaacgga 300
cagttccctg gtcttaacct aaactcaacc tccaacaaca atgtcgatcat caatgtcctc 360
aacaanctn acgaagcctt cctccttgaa ctggaattga acccancccc agggaanaan 420
ccatggcaaa aatggtntta acngggacct catgcnaan ccaacaggna ncaaanttca 480
cttacaattt cca 493

<210> 14386
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A12

<400> 14386

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tanatatgga acagttgctg tcagaagccc aacacaggtg gcttaggcct actgagattt 180
gtgaaattct tcagaactat cacaagtttc atatagcatc agagtctccc acccgacccg 240
ccagaaggta ctgagatatt ttaggaaaga cggacataac tggaggaaga agaaagatgg 300
taaaaccata agagaagctc atgagaagct caaggtagga agcatagatg tgctacattg 360
ttactatgca catggggaag ccaacgagaa tttccagaga cgttgctact gggatgcttg 420
aacaacattt ga 432

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<210> 14387
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-A2

<400> 14387

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tagattagct cagaaatttt tctaaccttt tcttctctgt cgatctaaca cctgacctcg 180
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tttattcgcg atcctcggat tttcgctgga tgatcttttg tgcttcctct atacgttttc 360
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<210> 14388
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-A6

<400> 14388

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tgttcgagca gatcagattg atctaaaaag cttagacgag caactagaga gacacttaag 180
cagagctttg acttttagaga agaacaagaa gaaagatgaa gaanacacaa ccgccgtcgc 240
catcgggtggc tctgcttctt cttccctgt cactctaaac ggcggcggat ttgttggcaa 300
gaggaaacag agacttgagt gggagatcga tccttctaaa cttatcatca agactgttct 360
tgctcgtggc acttttggta cgttcancg tggactacg ac 402

<210> 14389
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A7
<400> 14389

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agaagattat ctttgggtgat ggagtattgt ggaggtggaa gtgttgctga tcttatgaat 180
gttactgang aggcgttaga ggagtatcag atagcatata tatgtcggga ngcgttgaan 240
ggccttgcac acttgcactc aatatataaa gtccatagag acattaaagg tggaaatatt 300
ttgttaactg aacaaggaga ggtcaagttg ggtgactttg gggttgcagc tcaacttact 360
cgcactatgt cnaagcgaaa cacgttcatt gggactccac attggatggc ccagaggtt 420
attcaggaaa atcgttatga tgggaaagtt gatgtntggg ctctgggtg tttcagctat 480
tgagatggca gangggctcc c 501

<210> 14390
<211> 504
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-B11
<400> 14390

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 cattttcaaa caaatgcgat tacacagtgt ggccgggaat tctatctaac gccggagttt 240
 ctccattacc aaccaccggc ttcgtcctcc tgaaaggcga gacgcgtaca atcaacgcac 300
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 aattctcgtg tgccaccgga gattgcggtt ccggaaaaat cgaatgctcc ggcgctggag 420
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<210> 14391
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-B4
 <400> 14391

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 tattctttat tatagttcaa ccacatggaa tccaacgtgg accaacagag ctgcagcgga 240
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<210> 14392
 <211> 227
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-B5

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 cttgcaaaca ttgttcttac tataagcttc cttttatggt tcagacttgt ttaagatttt 180
 aatcaaaaag aaagtttcag acttttaaaaa aaaaaaaaaa agggcg 227

<210> 14393
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-C1

<400> 14393
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 agaaacgaat atgagcttaa cgagtgttta agcaaaggc aaaagaaggg ttttcaagtc 180
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 taatttca 428

<210> 14394
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-C12

<400> 14394
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 ttaaattctga cctgggttttc atcatagca ttcaaaggca aagaaatgat atgcaccaaa 360
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<210> 14397
 <211> 104
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F2

<400> 14397

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<210> 14398
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F3

<400> 14398

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 atgaanctat gc 432

<210> 14399
 <211> 427

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F5

 <400> 14399

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 gctttgggtg ctgtgaagaa tgaattgaat gatccgtaca aagttcttga gaattgggat 240
 gtgaattcag ttgatccttg tagctggaga atggtttctt gcaactgatg ctatgtctct 300
 tcaactggatc ttcttagcca aagcttgtct ggtacattgt ctctagaat cggaaacctc 360
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 gattggg 427

<210> 14400
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-108-Q1-E1-F7

 <400> 14400

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 gtatcgaatt ttgaattttg tatctcgcta cactgttcga ttgagaattc tttttttccg 180
 attgattcga atcggatttt gtttttttcc tcgatataga atgacttcga atcaacgtat 240
 gttgttctac tctgcattg cgaaaggaac agtgattctc gcagaattcg cttcaaagga 300
 agagccagga atcgaagatc tagctttgag atgcattgag aacgtactcc acatcattcg 360
 atgatctctc acacagtcca taagagaact acgctttgga ttatcga 407

<210> 14401
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-108-Q1-E1-G1

<400> 14401

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gtctgatgtc tgatcttcta ggtcacctcc acaaattcga acaagaattt gtctttatgt 180
gcaaaaccaa aatggggagtc aatgcttcag agccaaaacg aacacgatcg cgaccaagtc 240
aatcgcaggg gaggcacccg tcgacgaaga cgatctccgt caacgagcaa caccggcaca 300
acaacaacca cgacgacatc gaattctaac aaaactgggtg cctcctcttc ctctccggt 360
gcgggcttct tcctcaagtc gctagtcgaa catctctcgc tagtctccgg aaatccctta 420
cgggaaatcc tcacatg 437

<210> 14402

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G10

<400> 14402

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taataaaagg ccgccatgga tttagatcaa tggatttcca aggttaaaga cggccaacat 180
ctctctgagg acgagcttca acttctctgc gaatacgtga aagaaattct tattgaggaa 240
tcaaattgtac aacctgtcaa cagtctctgc accgtctgtg gtgatatcca tggccagttt 300
catgatctta tgaaactttt ccagaccgga ngtcatgttc ccgagaccaa ttacatattt 360
atgggggatt ttcgttgata ganggtacaa cagtcttgaa gtttcaccaa tcctttgctt 420
cctaaagcaa g 431

<210> 14403

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G11

<400> 14403

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tccgcccacg cgtcnaagcc cacgcgtccg gnaganacac anthaaatgg cgacggtaca 120
attgtccacc canttttagct gccanaccag agtttcaatc tcaccgaact ctaaattctat 180
ctccaancct ccgttttctgg taccggtgac ctcaattatt caccgcccga tgatctccac 240
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gatatgatca gctctattgg cggcggagga agcaattgaa gacgtggaag agacggagcg 360
gctaaagaga tcgctcgtgg attcgttgta cggaacannt cgaggtttaa gcgcatcgag 420
cganaccana gctgaaatcg gagatctaata cacacagctc gagtctaaga acctactcca 480
gctccgacgg gaagctctttt tcttcc 506

<210> 14404

<211> 507

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G12

<400> 14404

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aacagactct aaattgcaca tgtcnagta actacaagan atgtcaaact gtccaannac 120
genactcctt ttaacgggag ttgccccatc caccacgctg cgagttacaa tentccaatc 180
ctccaccgtc tataacgana ctctgccc tatanacana gcggagnagt atattgtggn 240
ggcggcaagc aaggagagcat anctagtggt gttcccgagg gggtttatcg gtggctatcc 300
tcgaggtttt aggttcgggt tagcgggttg cgttcataac naanaagggc gtgatgagtt 360
tcggaagtac catgcttctg ctattcatgt tcttgccct gaagtagcaa gattggctga 420
cgtggctang aaaaaccatg tgtacttggt aatgggagcc atanagaagg aanggtatac 480
ctctactgca caattctttt tttngcc 507

<210> 14405

<211> 440

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G2
 <400> 14405

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 gcgacaatgt atgcaatgta ctgtgtcaaa gtcagacttg gatggcctgg agttattctc 180
 tcgatgaatc ttgcattctt gtccaacgat atatttattt gtcttcttca atgggtgtgat 240
 actgttagtg aaaaaacaca ngTggaggag ccaacnaaac ctgaaactgt aatagacgaa 300
 gagTttccag gagagTttga gtattcttct gTtctgctg aagaagcaga gaaaaagTtc 360
 atgaagataa gTcgtccact aagccaacat catcgtcaac tgtTgtcaat aacatgaaag 420
 ggnattcnac cggtaaaggg 440

<210> 14406
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G3
 <400> 14406

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 cactgccaat ctctccgcca agTtcatcaa agagaaaggc tTtccaccgt tgttctctcc 180
 ggcggTgacc taatcgattg gctctgcaag ttggTgcaac ctcttatat tgattcaatc 240
 gaatggccaa aatggcacgt cTTTtgggtc gatgagaggg tTtgtgcatg ggaagattca 300
 agacagtaac tacaaactcg ccatggaggg tTtctctct aaggTtccga tTccggataa 360
 gaacatctac gcaatcgaca agcactTggc ggctgatggT aacgccgaac actgcgcgan 420
 gctctacnan g 431

<210> 14407
 <211> 404

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G4

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 tgagggttca gattcgggac taattttcat tgaaggctct ggaccaacat atgccacttc 120
 aacgacattc caagattcac ttatcgagc aggagccgga atggctttag ttgattcagt 180
 gatcgagca tccagaaaca gcgtagatcc acccattggt tttgcattga taagacctcc 240
 tgggcaccac gccgtgccaa aagggtccgat ggggttctgt gtttttggtg atgtggcaat 300
 cgcagctcgt catgcccaac gcacacatgg tctgaaacgc atcctcataa ttgactcgat 360
 gttcaacacn ggnaatngna caaatgancg atttaccggn ggac 404

<210> 14408
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G5

 <400> 14408

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 tcttaaggta tcaatgggga aaaacaagag agagaggaaa gatggagaag agaaatctcc 120
 acacgctgcc gccactgttt gcgtctctgg cttgccttat tccatcacca acgcacagct 180
 tgaagaagcc tttagtgaag ttggcccgat caggcggttc tttctgggtc acaaataaag 240
 ggtctgatga acaccgaggc tttgcgtttg ttaaatttgc tttacaagaa gatgttaatc 300
 gtgccattga gttgaagaac gggtctactg ttggggggccg tatgattact gttaaacaag 360
 ctgcacatcg aacttctcct caaagagcgt cgaacaaaag caactgaaag ggattcccgt 420
 acccgataa atnc 434

<210> 14409
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

